

Data File : VR025744.D
Acq On : 17 Sep 2018 14:15
Operator : SY/MD
Sample : VSTD01008
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

Quant Time: Sep 17 14:49:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	751212	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	663063	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	289504	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	379879	11.63	ug/L	0.01
7) Chloroethane-d5	2.63	69	303638	11.36	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	980505	10.98	ug/L	0.01
20) 2-Butanone-d5	6.59	46	369923	112.20	ug/L	0.00
24) Chloroform-d	7.20	84	886701	11.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	312250	12.33	ug/L	0.00
32) Benzene-d6	7.85	84	2084188	11.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	553288	11.46	ug/L	0.00
41) Toluene-d8	9.97	98	1984515	11.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	132533	11.12	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	470793	132.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	256908	12.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	449558	10.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	436327	11.390	ug/L	99
3) Chloromethane	2.01	50	441042	9.379	ug/L	96
5) Vinyl chloride	2.18	62	459225	9.825	ug/L	96
6) Bromomethane	2.52	94	317840	9.500	ug/L	99
8) Chloroethane	2.66	64	266105	9.696	ug/L	99
9) Trichlorofluoromethane	2.94	101	283959	3.295	ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	474907	10.228	ug/L	99
12) 1,1-Dichloroethene	3.65	96	450196	9.187	ug/L	92
13) Acetone	3.70	43	196296	88.349	ug/L	92
14) Carbon disulfide	3.97	76	1132486	9.794	ug/L	99
15) Methyl Acetate	4.19	43	66748	8.426	ug/L	92
16) Methylene chloride	4.41	84	386075	8.898	ug/L	88
17) Methyl tert-butyl Ether	4.90	73	658517	10.923	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	616195	10.288	ug/L	98
19) 1,1-Dichloroethane	5.69	63	993186	10.754	ug/L	97
21) 2-Butanone	6.69	43	544604	116.147	ug/L	94
22) cis-1,2-Dichloroethene	6.68	96	591175	11.345	ug/L	# 98
23) Bromochloromethane	7.05	128	172670	9.659	ug/L	94
25) Chloroform	7.23	83	897412	10.635	ug/L	95
27) 1,2-Dichloroethane	7.99	62	357852	10.747	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	671413	10.165	ug/L	99
30) Cyclohexane	7.52	56	995569	12.543	ug/L	99
31) Carbon tetrachloride	7.64	117	665769	10.398	ug/L	100
33) Benzene	7.91	78	2527743	10.700	ug/L	100
34) Trichloroethene	8.71	95	577483	10.086	ug/L	97
35) Methylcyclohexane	8.95	83	1057897	11.972	ug/L	100
37) 1,2-Dichloropropane	9.00	63	541161	10.161	ug/L	98
38) Bromodichloromethane	9.28	83	512431	10.714	ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	627163	11.516	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	1590336	120.806	ug/L	97

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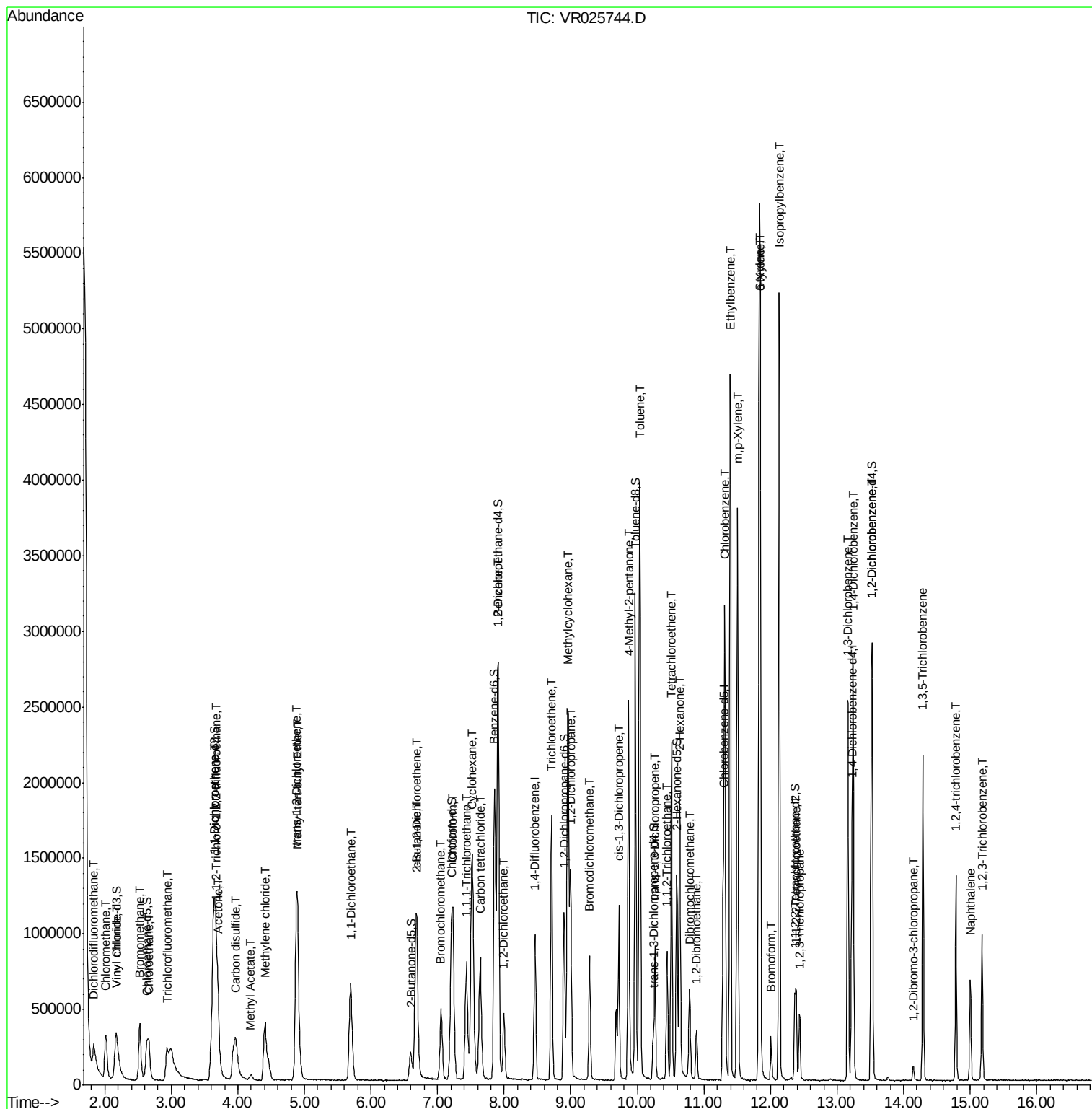
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	2665984	11.026	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	440402	11.498	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	237081	9.504	ug/L	98
47) Tetrachloroethene	10.51	164	450940	9.618	ug/L	95
48) 2-Hexanone	10.63	43	1118641	121.166	ug/L	99
49) Dibromochloromethane	10.79	129	285737	10.753	ug/L	91
50) 1,2-Dibromoethane	10.89	107	203087	10.248	ug/L #	97
51) Chlorobenzene	11.32	112	1547147	10.179	ug/L	99
52) Ethylbenzene	11.39	91	2935125	11.266	ug/L	99
53) m,p-Xylene	11.50	106	1179781	11.254	ug/L	100
54) o-Xylene	11.83	106	1123717	12.166	ug/L	98
55) Styrene	11.84	104	1793487	12.058	ug/L	96
56) Isopropylbenzene	12.13	105	2941977	12.783	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	269316	11.085	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	176755	10.816	ug/L	96
61) Bromoform	12.01	173	121910	9.842	ug/L	92
62) 1,3-Dichlorobenzene	13.16	146	956746	10.579	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	1006753	9.788	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	795066	10.191	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	21878	9.536	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	574553	10.686	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	366059	11.100	ug/L	97
69) Naphthalene	15.00	128	452677	12.271	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	273389	10.473	ug/L	99

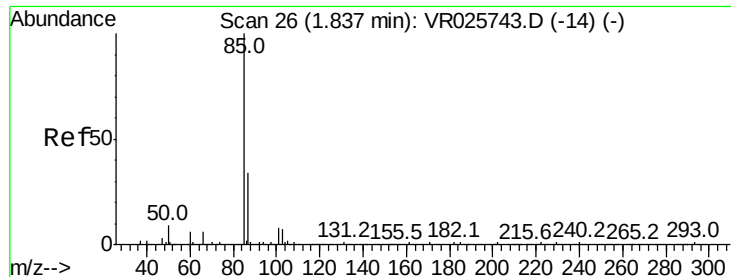
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 11.390 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

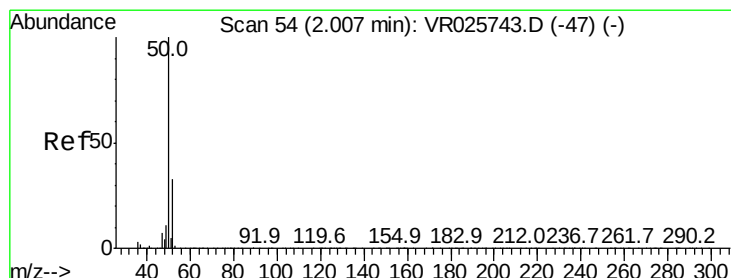
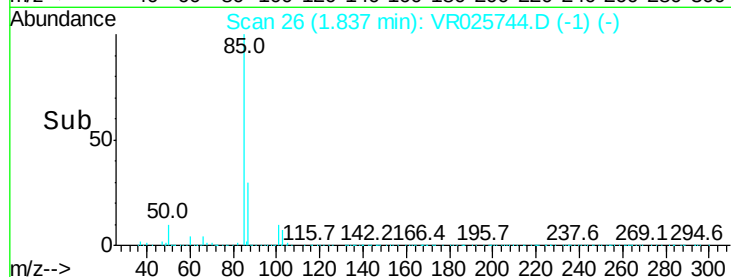
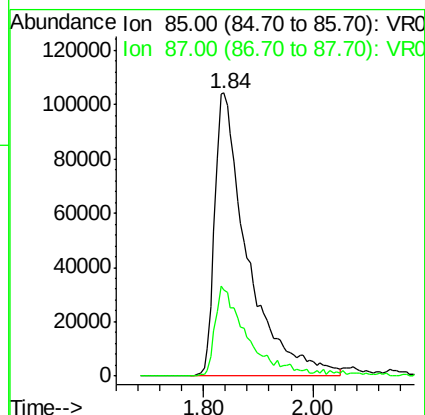
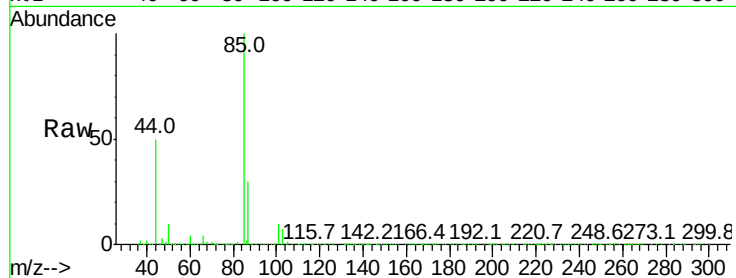
VSTD01008

Tgt Ion: 85 Resp: 436327

Ion Ratio Lower Upper

85 100

87 31.0 25.3 37.9



#3

Chloromethane

Concen: 9.379 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025744.D

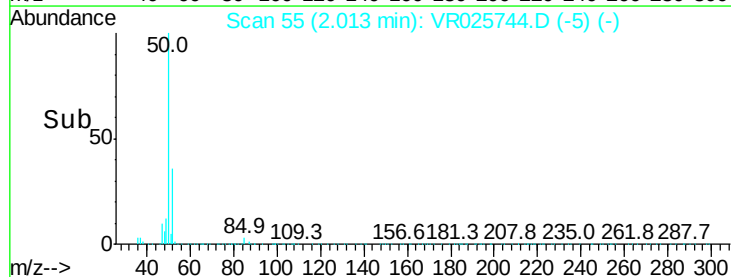
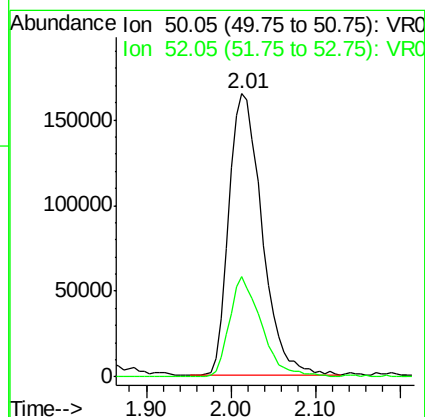
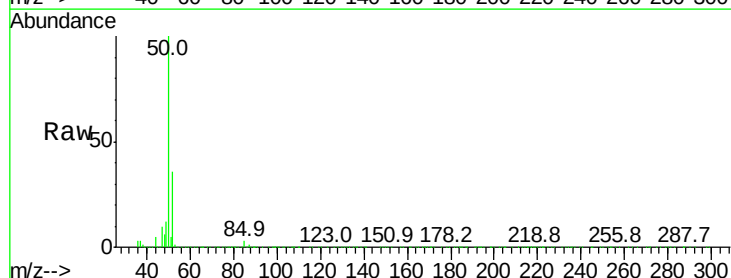
Acq: 17 Sep 2018 14:15

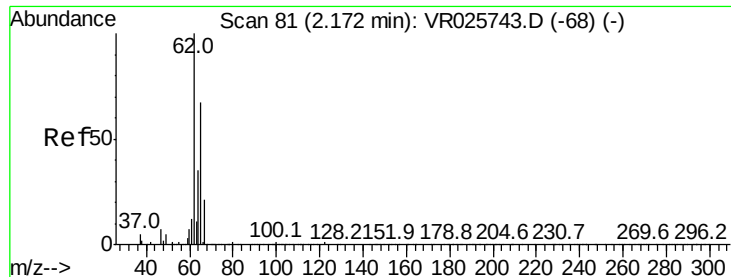
Tgt Ion: 50 Resp: 441042

Ion Ratio Lower Upper

50 100

52 35.5 23.1 42.9





#5

Vinyl chloride

Concen: 9.825 ug/L

RT: 2.18 min Scan# 82

Delta R.T. 0.01 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

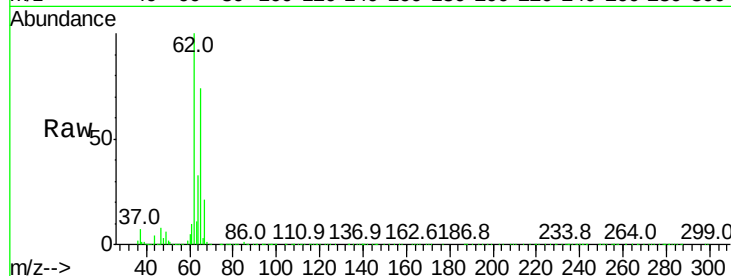
VSTD01008

Tgt Ion: 62 Resp: 459225

Ion Ratio Lower Upper

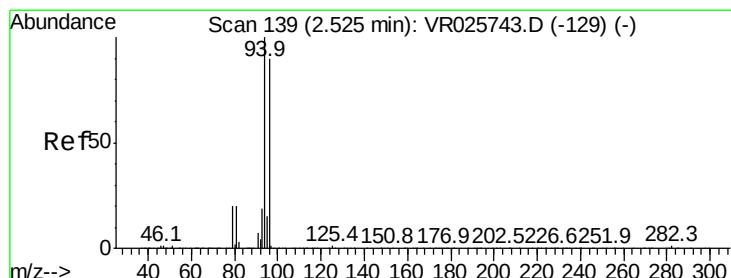
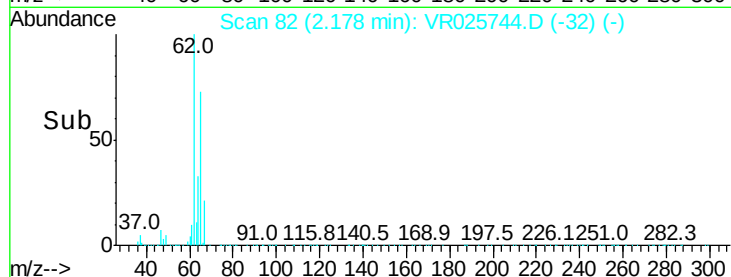
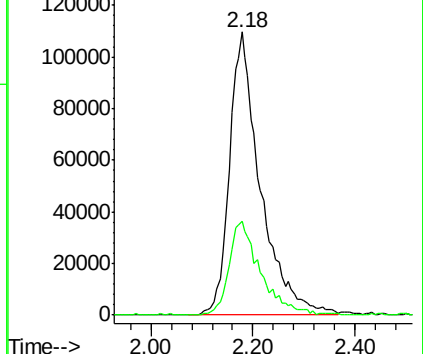
62 100

64 33.1 24.9 46.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 9.500 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR025744.D

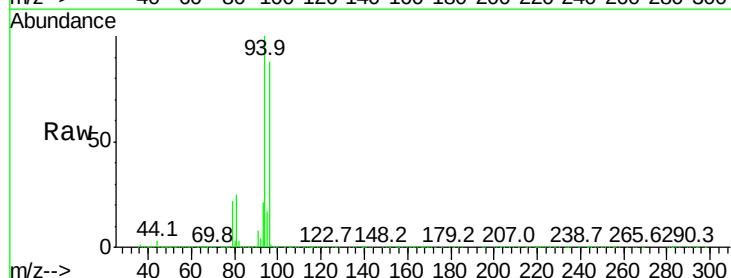
Acq: 17 Sep 2018 14:15

Tgt Ion: 94 Resp: 317840

Ion Ratio Lower Upper

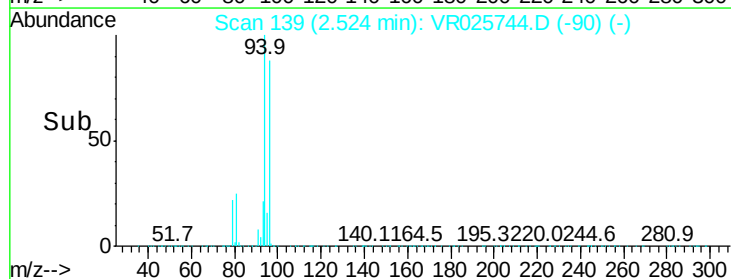
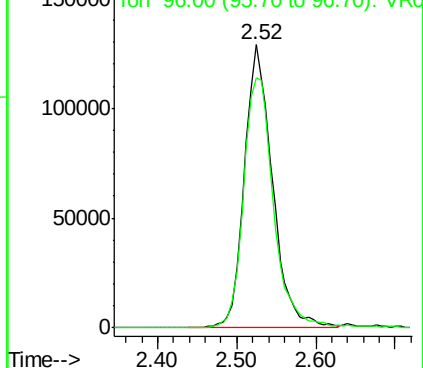
94 100

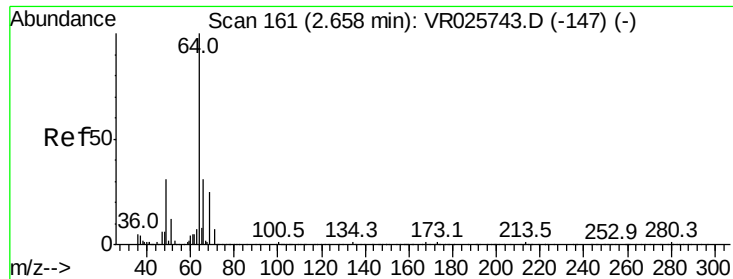
96 89.2 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

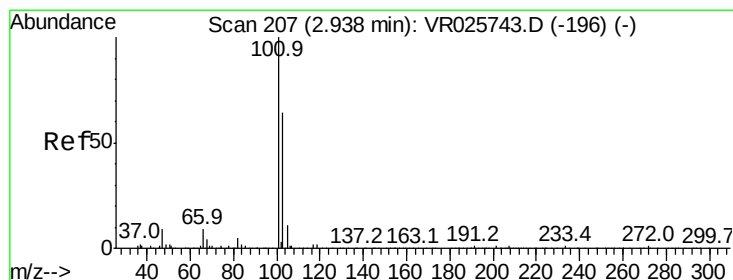
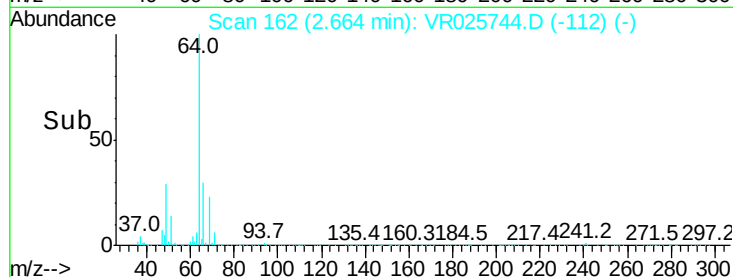
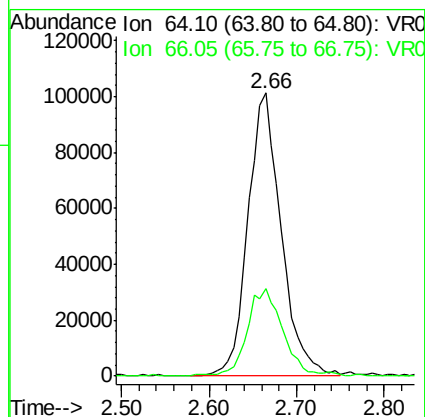
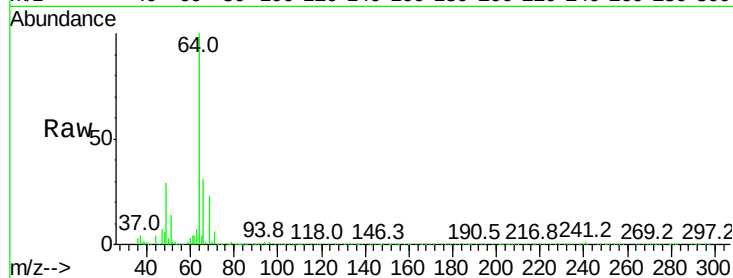




#8
Chloroethane
Concen: 9.696 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.01 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

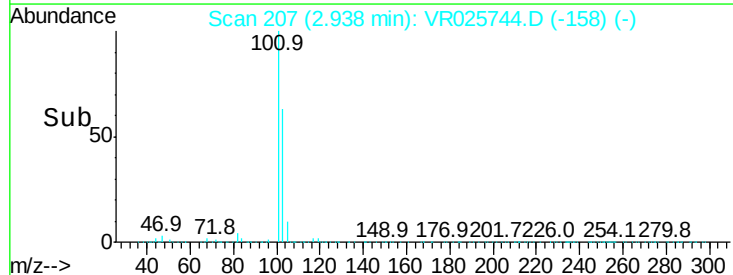
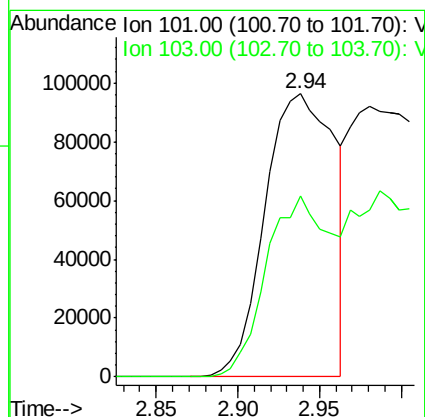
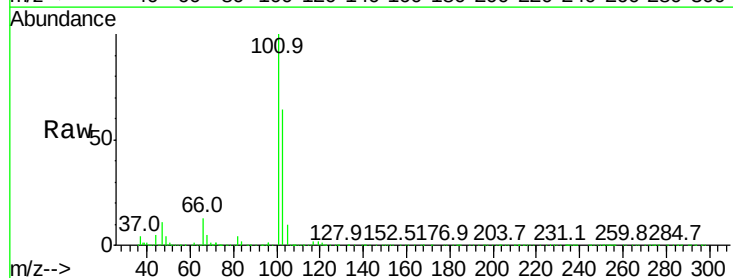
Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

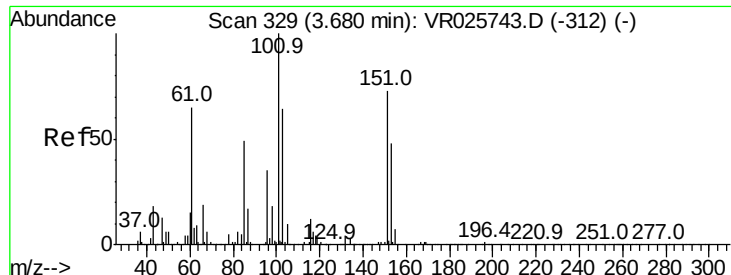
Tgt Ion: 64 Resp: 266105
Ion Ratio Lower Upper
64 100
66 30.7 21.8 40.4



#9
Trichlorofluoromethane
Concen: 3.295 ug/L
RT: 2.94 min Scan# 207
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion: 101 Resp: 283959
Ion Ratio Lower Upper
101 100
103 61.0 13.5 20.3#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.228 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01008

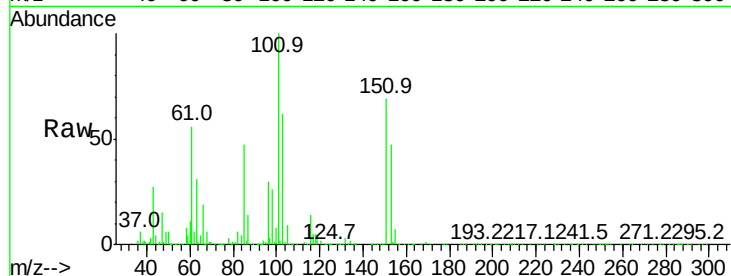
Tgt Ion:101 Resp: 474907

Ion Ratio Lower Upper

101 100

85 47.3 37.8 56.6

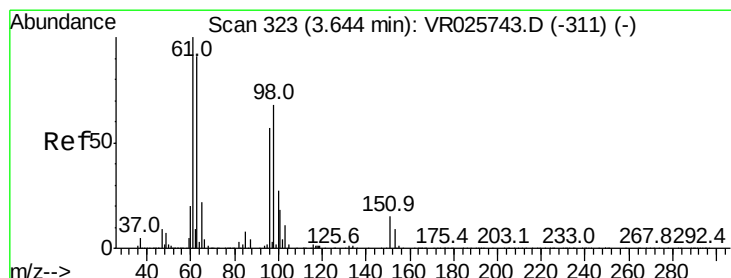
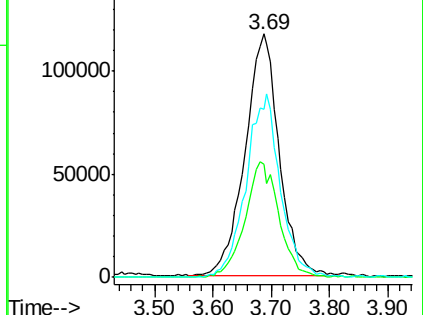
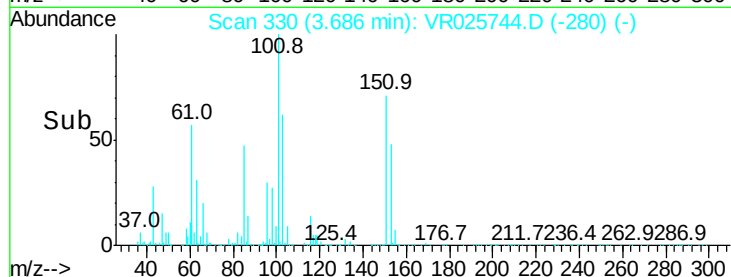
151 75.9 60.1 90.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.187 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.01 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

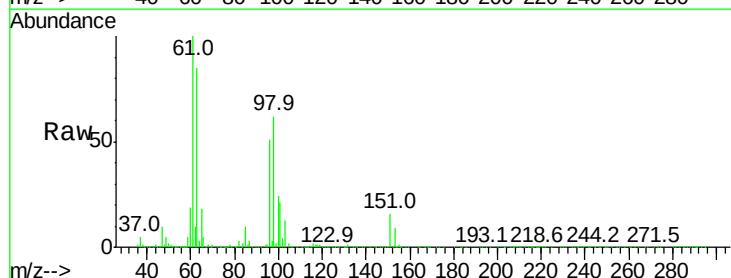
Tgt Ion: 96 Resp: 450196

Ion Ratio Lower Upper

96 100

61 195.7 123.8 229.8

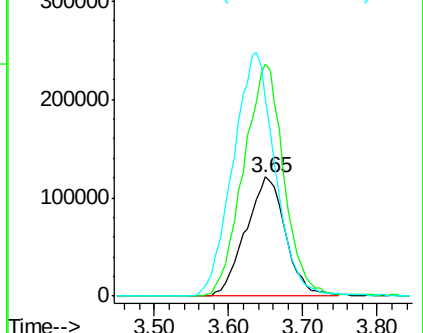
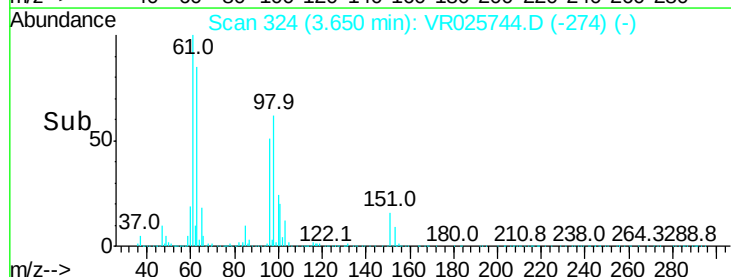
63 165.9 118.0 219.1

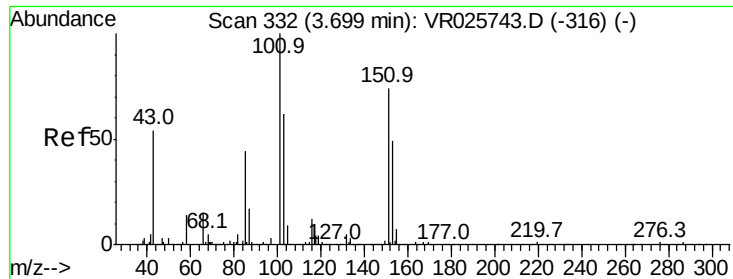


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

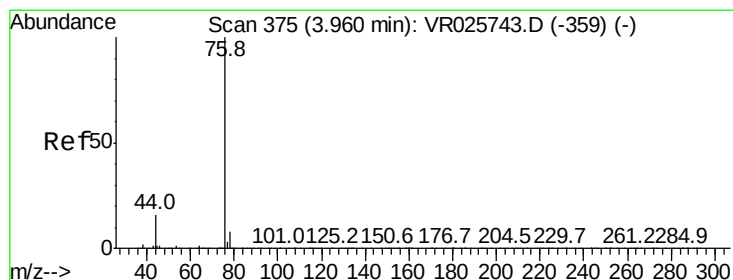
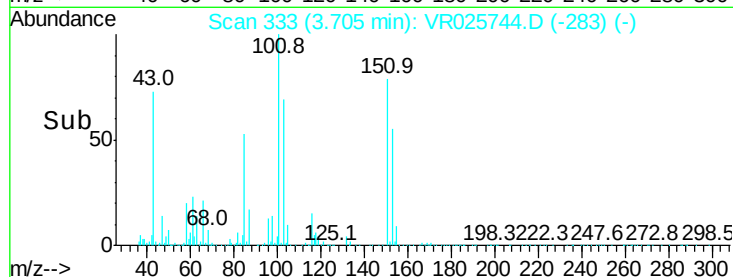
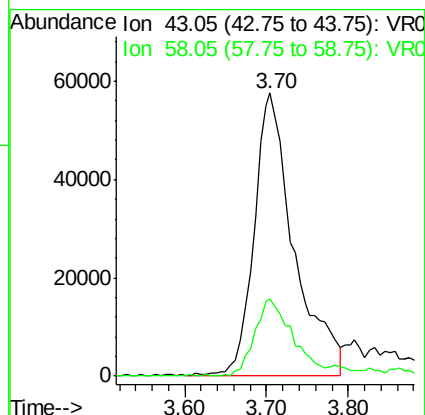
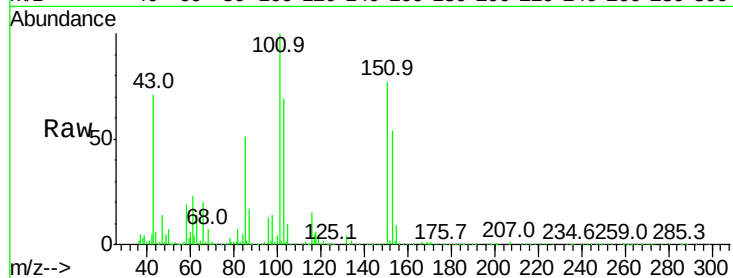




#13
Acetone
Concen: 88.349 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.01 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

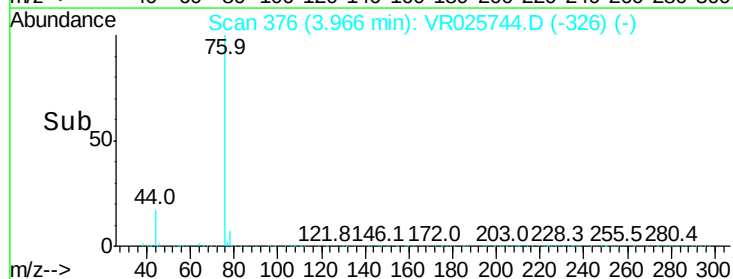
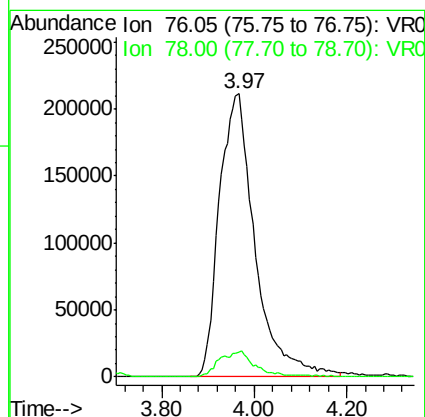
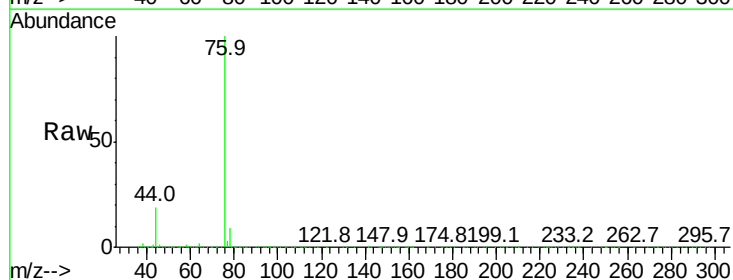
Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

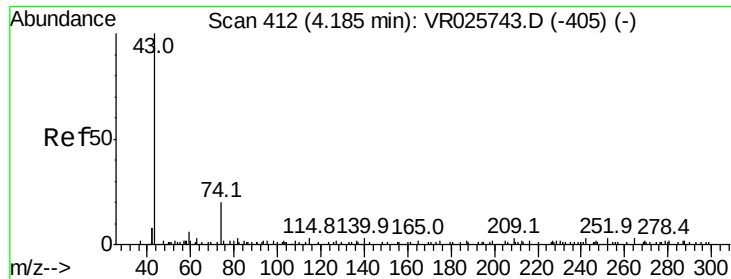
Tgt Ion: 43 Resp: 196296
Ion Ratio Lower Upper
43 100
58 26.1 0.0 44.2



#14
Carbon disulfide
Concen: 9.794 ug/L
RT: 3.97 min Scan# 376
Delta R.T. 0.01 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion: 76 Resp: 1132486
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2

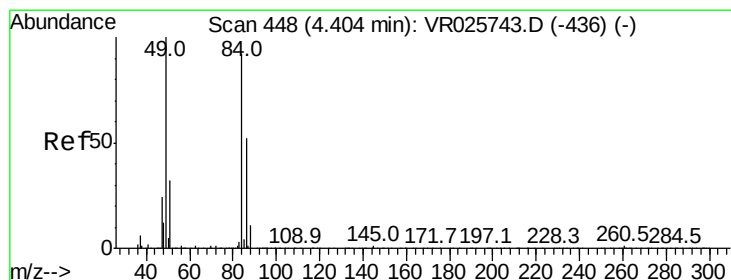
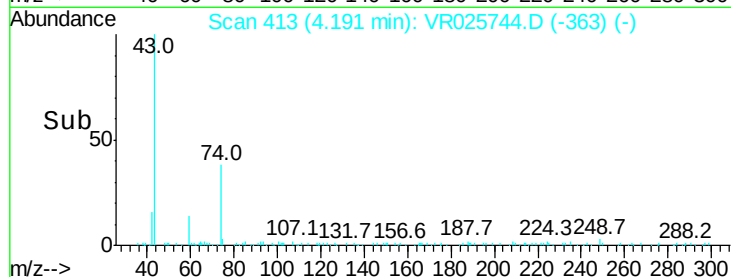
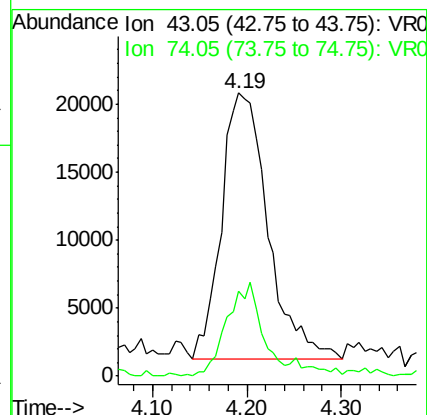
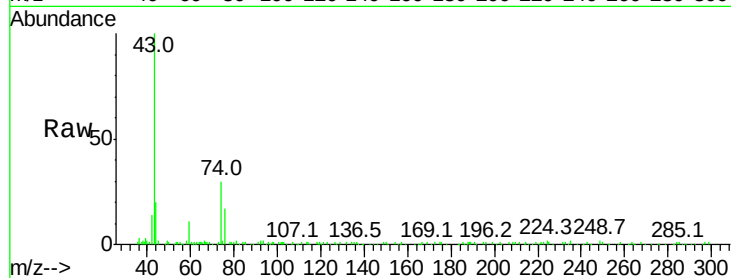




#15
Methyl Acetate
Concen: 8.426 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

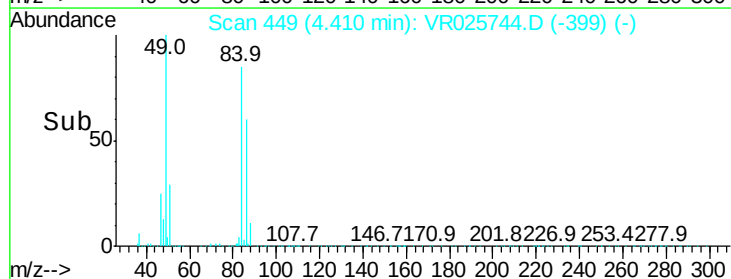
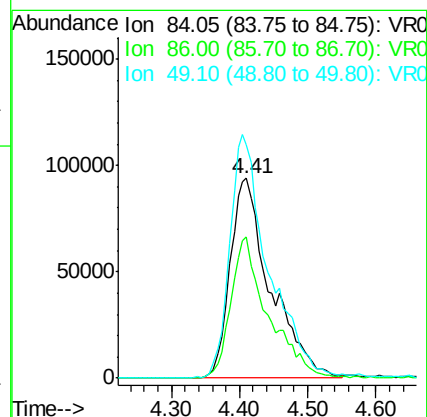
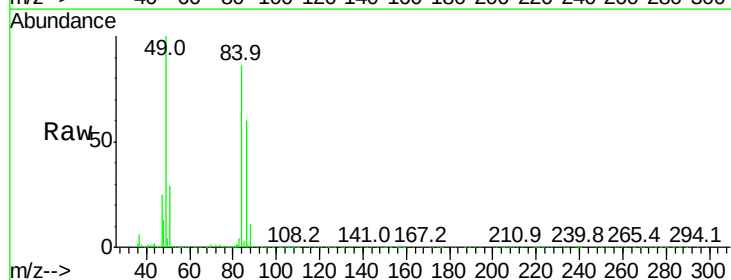
Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

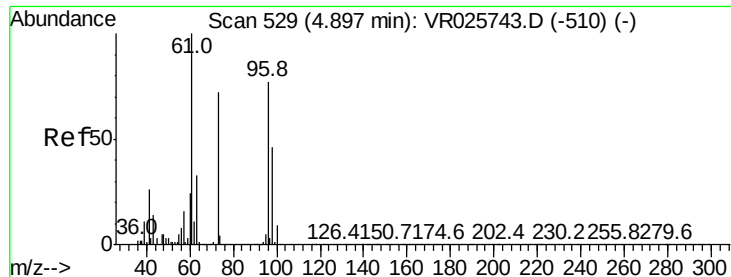
Tgt Ion: 43 Resp: 66748
Ion Ratio Lower Upper
43 100
74 26.4 24.8 37.2



#16
Methylene chloride
Concen: 8.898 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion: 84 Resp: 386075
Ion Ratio Lower Upper
84 100
86 70.6 39.3 73.1
49 116.9 76.2 141.4

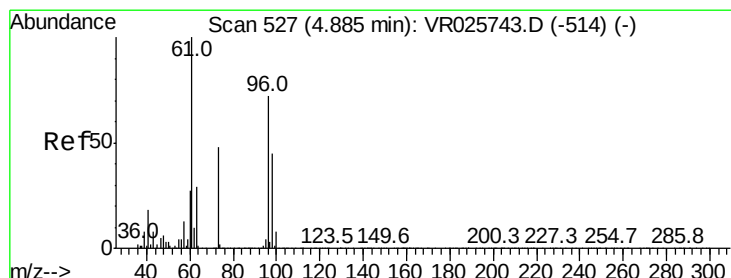
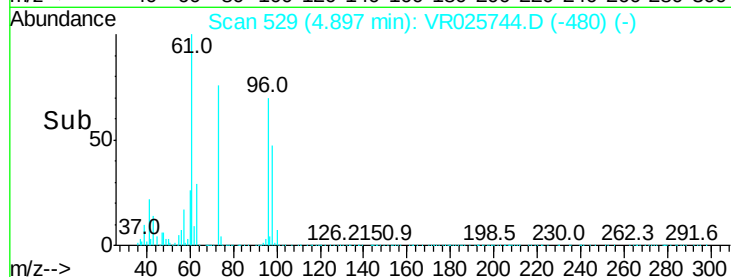
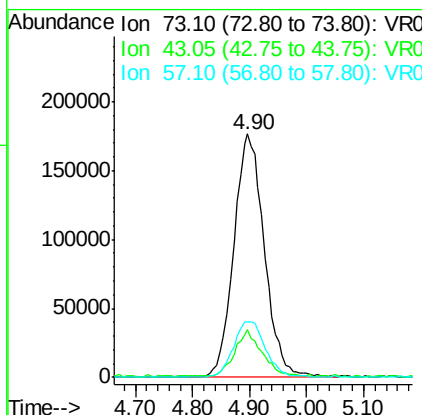
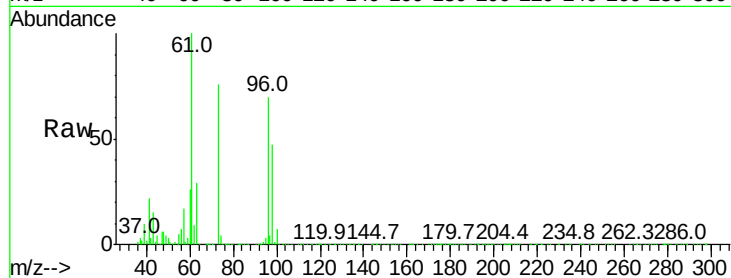




#17
Methyl tert-butyl Ether
Concen: 10.923 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

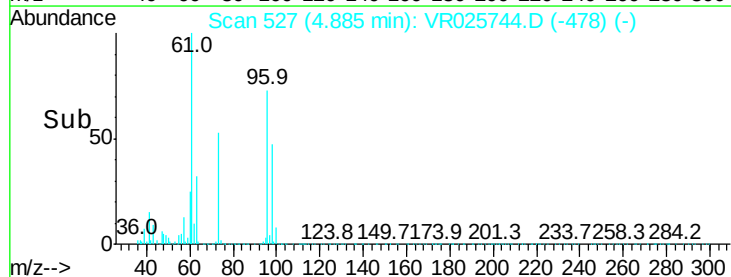
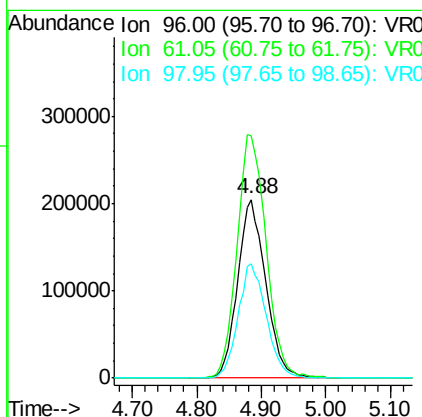
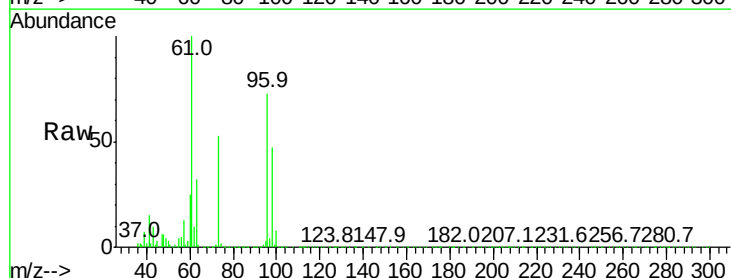
Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

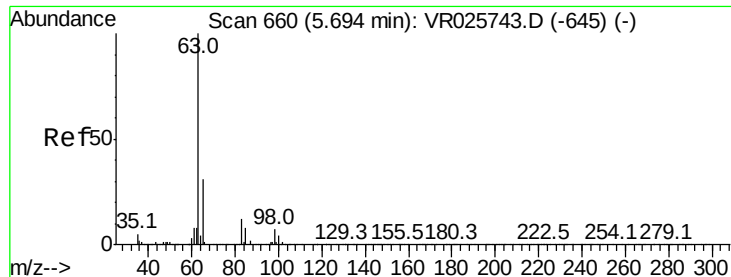
Tgt Ion: 73 Resp: 658517
Ion Ratio Lower Upper
73 100
43 17.1 15.0 22.4
57 24.0 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 10.288 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion: 96 Resp: 616195
Ion Ratio Lower Upper
96 100
61 136.1 96.9 179.9
98 63.8 43.5 80.9

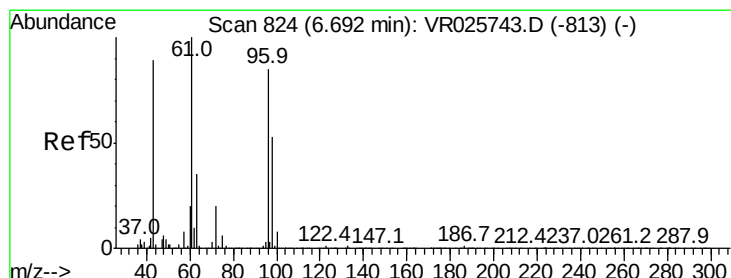
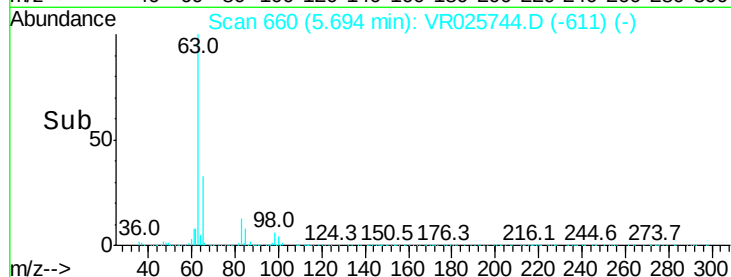
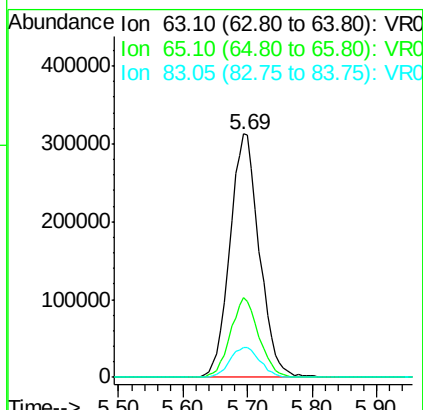
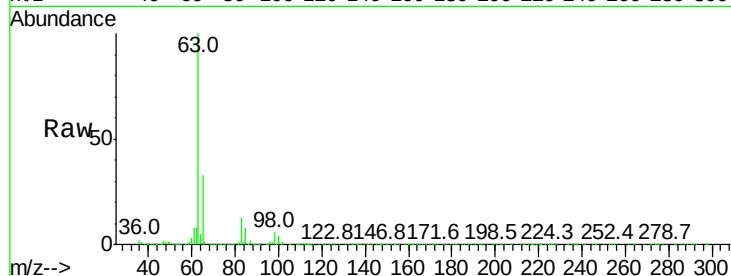




#19
 1,1-Dichloroethane
 Concen: 10.754 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

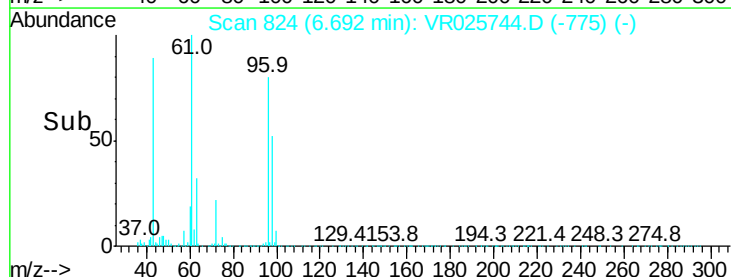
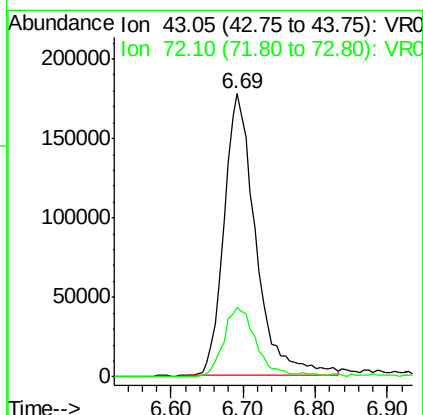
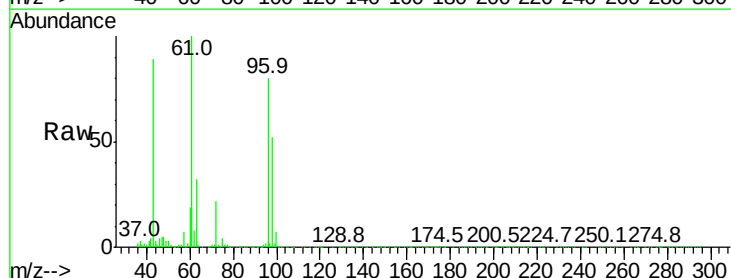
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01008

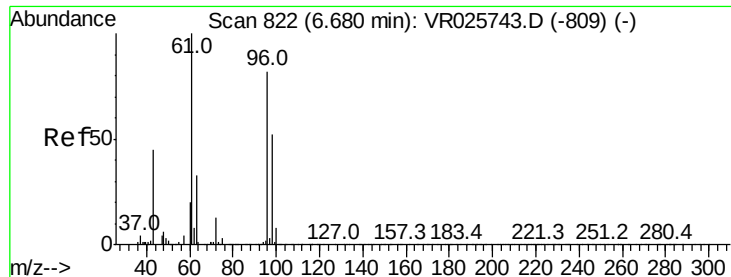
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.0	21.5	39.9
83	12.5	8.8	16.4



#21
 2-Butanone
 Concen: 116.147 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.1	14.0	42.0



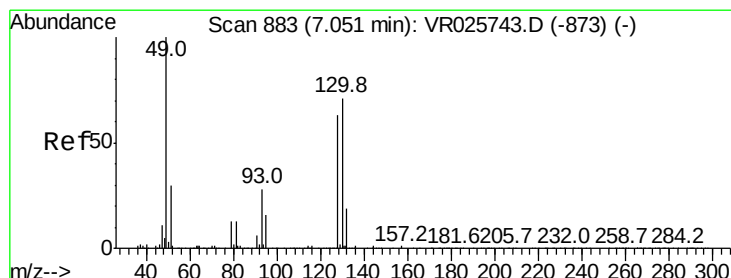
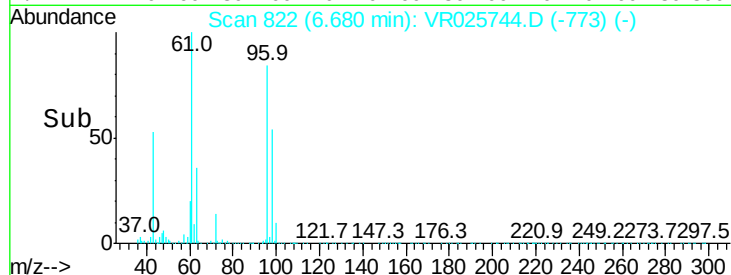
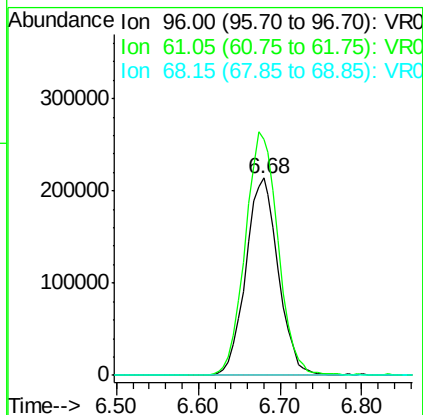
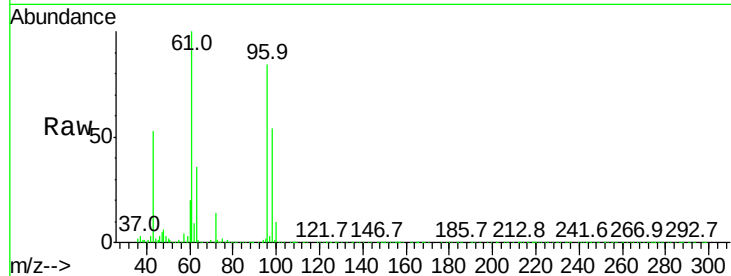


#22

cis-1,2-Dichloroethene
 Concen: 11.345 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01008

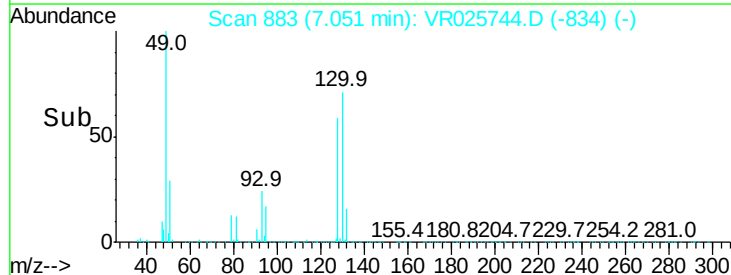
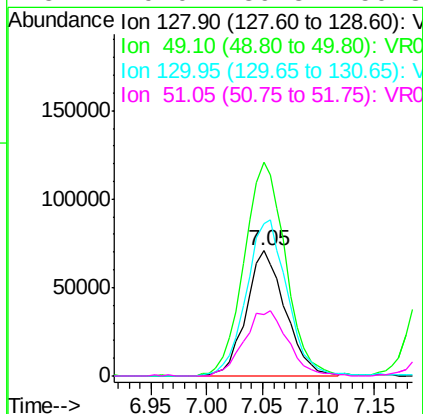
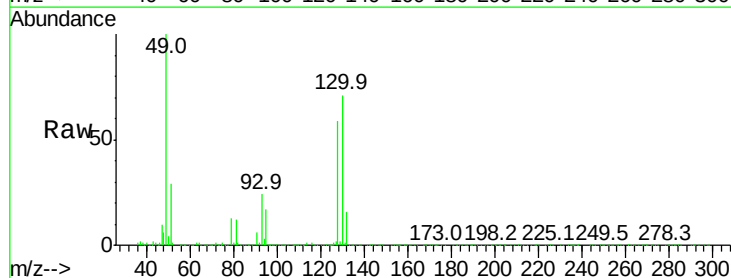
Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.6	85.7	159.1
68	0.0	0.3	0.5#

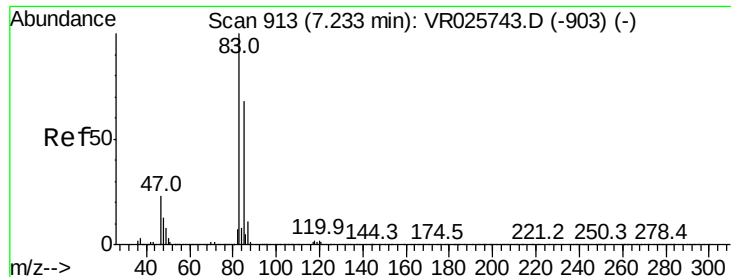


#23

Bromochloromethane
 Concen: 9.659 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.4	112.4	208.8
130	121.4	80.8	150.2
51	49.0	39.8	59.8

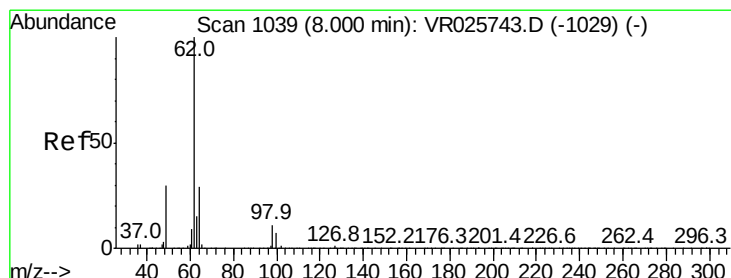
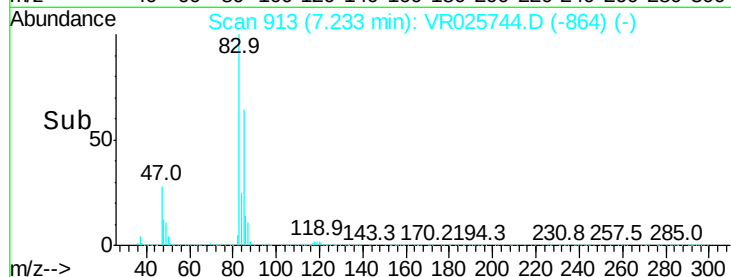
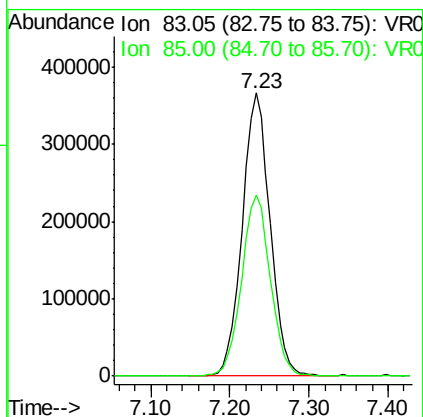
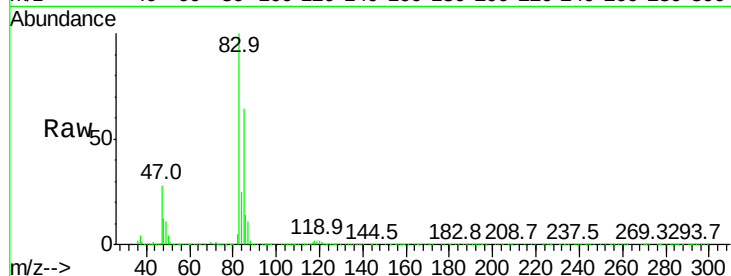




#25
Chloroform
Concen: 10.635 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

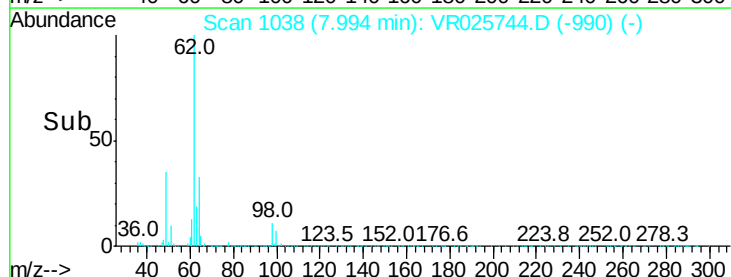
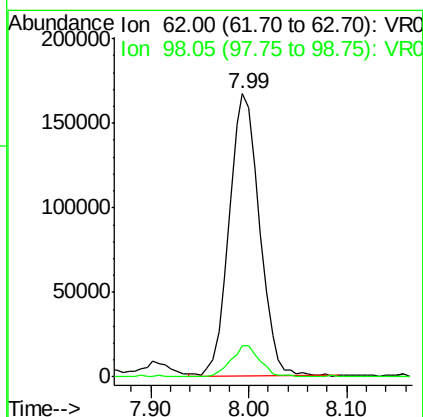
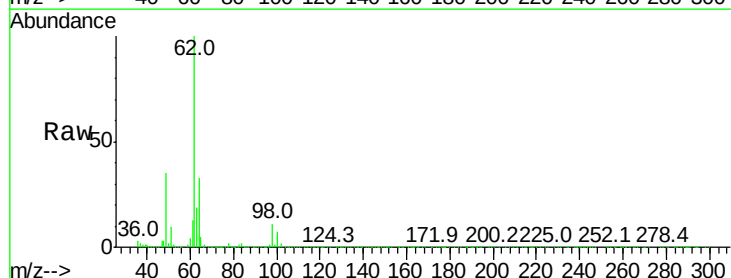
Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

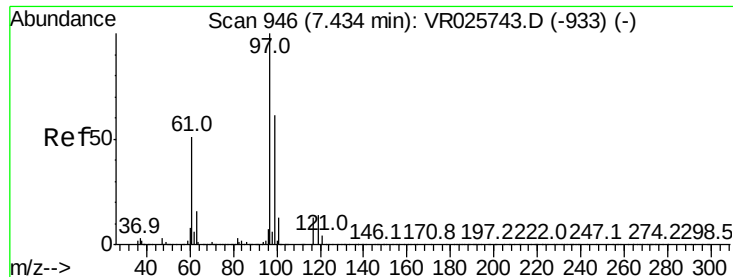
Tgt Ion: 83 Resp: 897412
Ion Ratio Lower Upper
83 100
85 64.1 47.7 88.7



#27
1,2-Dichloroethane
Concen: 10.747 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.01 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion: 62 Resp: 357852
Ion Ratio Lower Upper
62 100
98 11.1 9.1 13.7

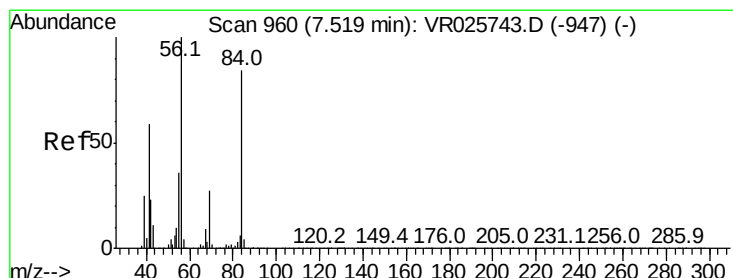
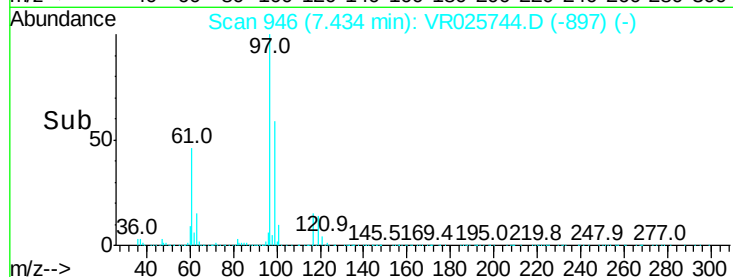
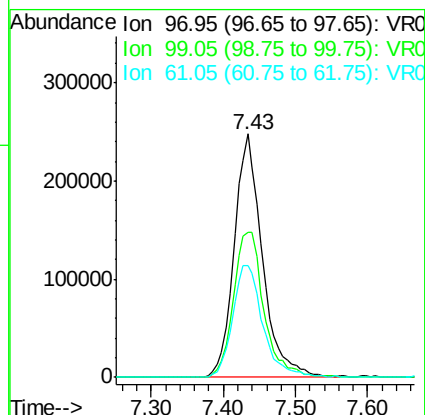
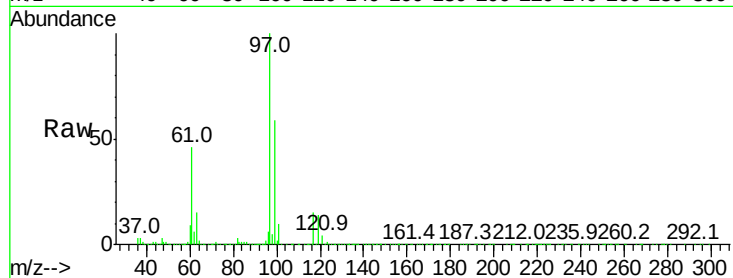




#29
 1,1,1-Trichloroethane
 Concen: 10.165 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

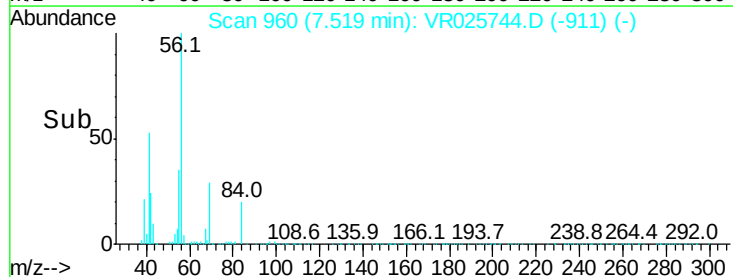
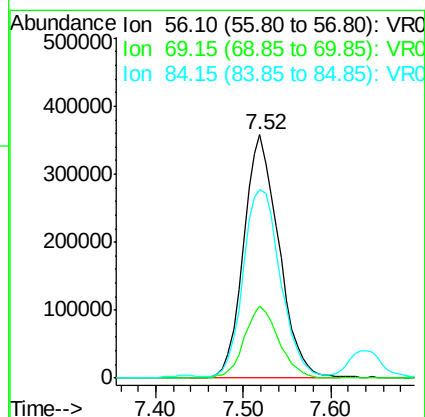
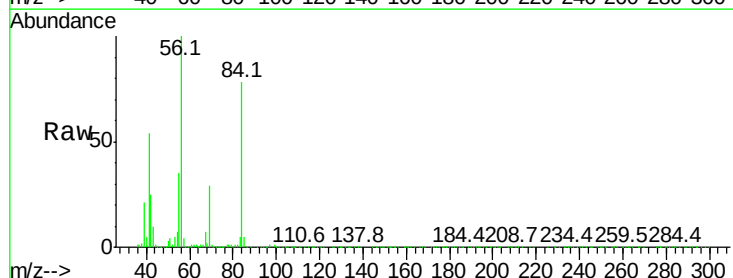
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01008

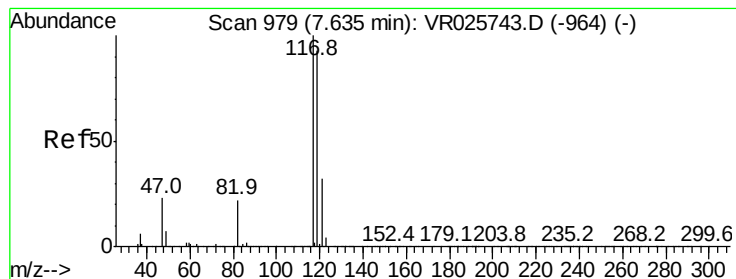
Tgt Ion:	97	Resp:	671413
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	75.8
61	49.2	39.7	59.5



#30
 Cyclohexane
 Concen: 12.543 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

Tgt Ion:	56	Resp:	995569
Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.7	34.1
84	82.8	66.8	100.2





#31

Carbon tetrachloride

Concen: 10.398 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

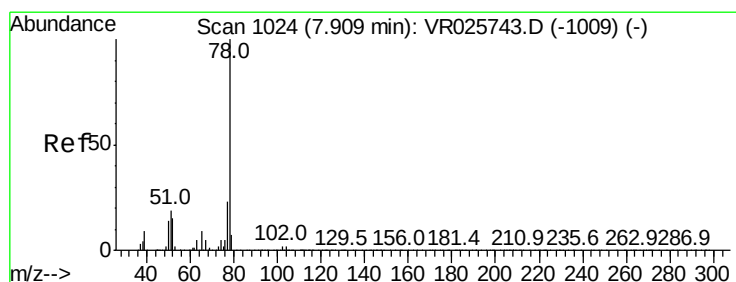
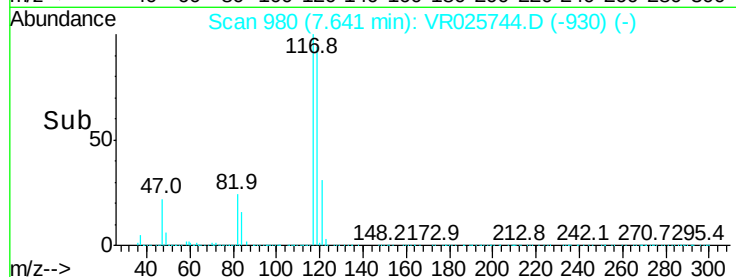
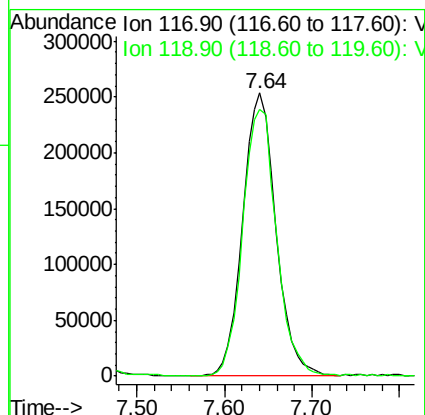
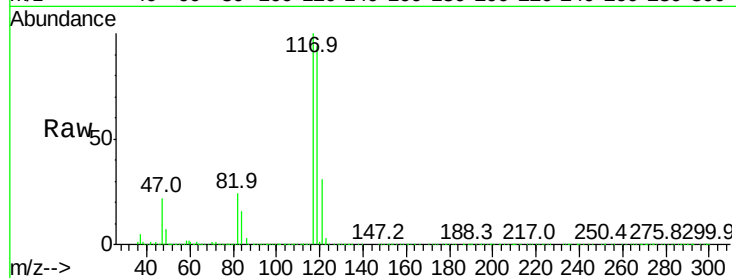
VSTD01008

Tgt Ion:117 Resp: 665769

Ion Ratio Lower Upper

117 100

119 96.3 76.7 115.1



#33

Benzene

Concen: 10.700 ug/L

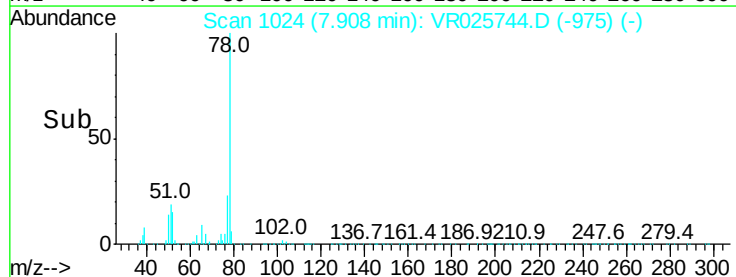
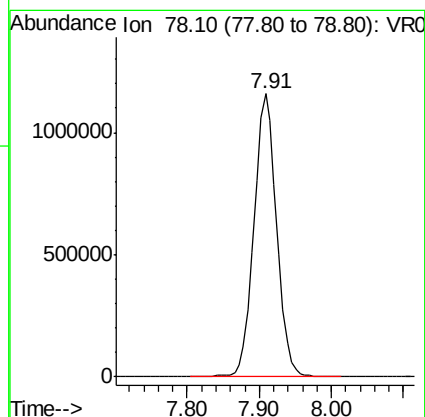
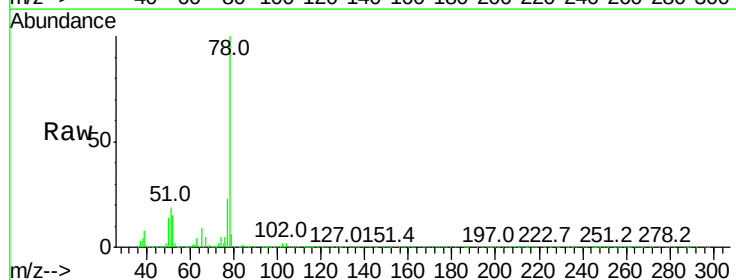
RT: 7.91 min Scan# 1024

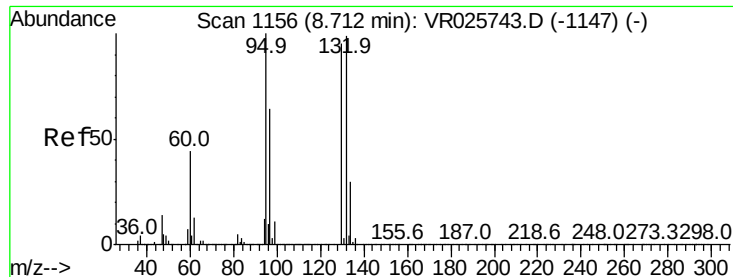
Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Tgt Ion: 78 Resp: 2527743





#34

Trichloroethene

Concen: 10.086 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01008

Tgt Ion: 95 Resp: 577483

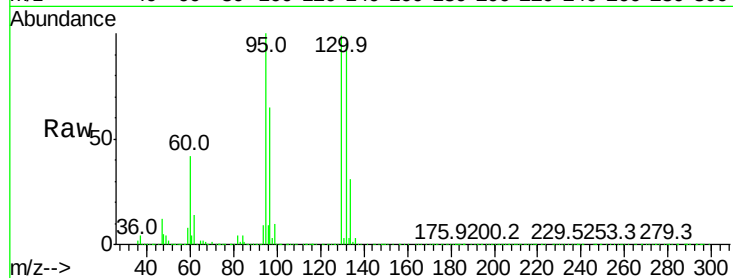
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.5

132 94.9 69.2 128.6

130 98.9 66.4 123.4

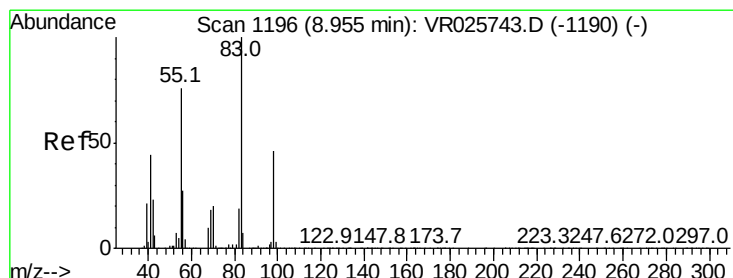
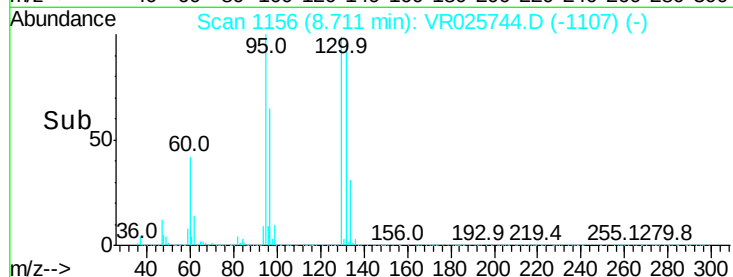
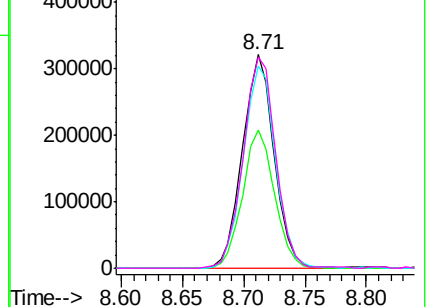


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 11.972 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

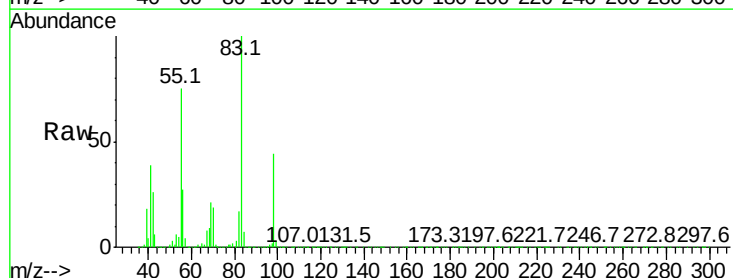
Tgt Ion: 83 Resp: 1057897

Ion Ratio Lower Upper

83 100

55 75.2 60.2 90.4

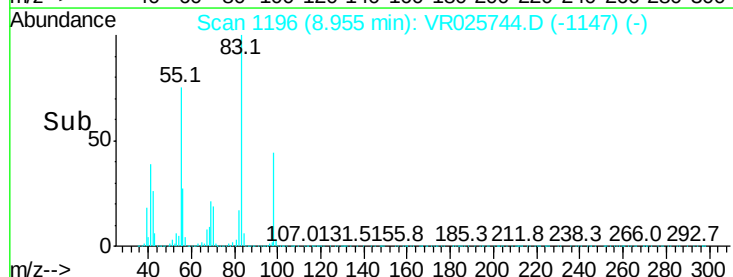
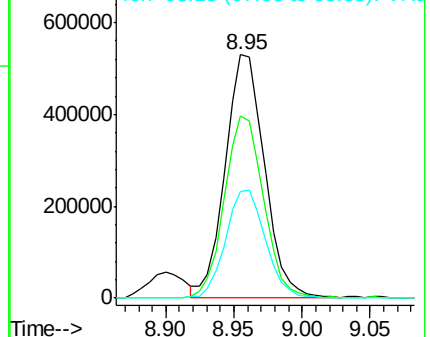
98 45.6 36.2 54.4

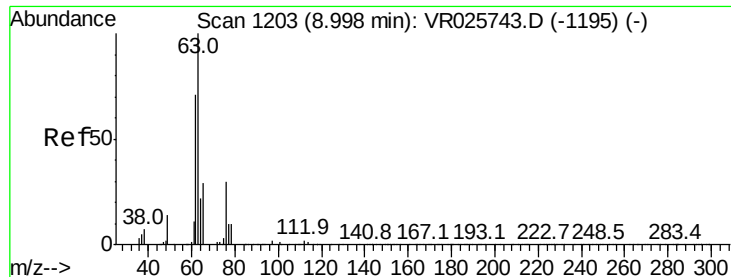


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

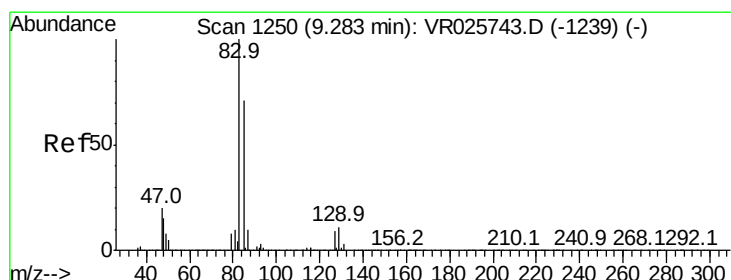
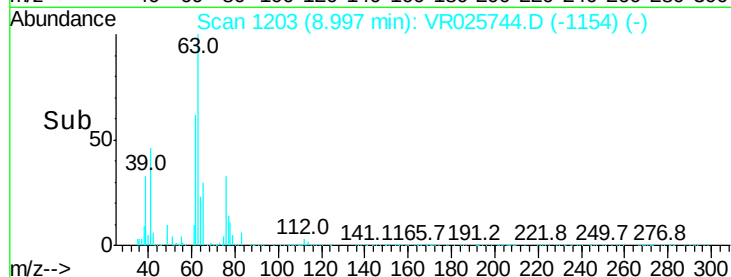
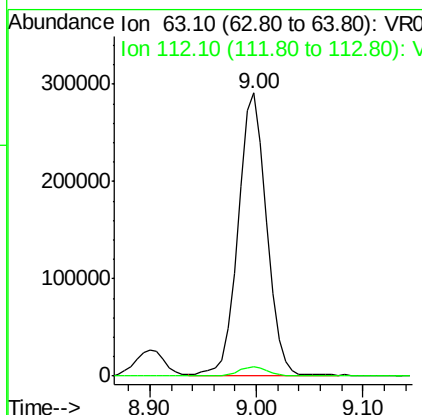
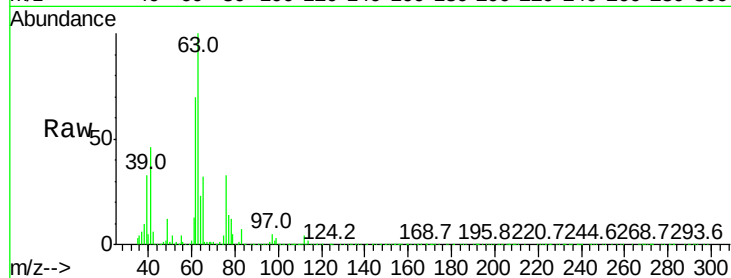




#37
 1,2-Dichloropropane
 Concen: 10.161 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

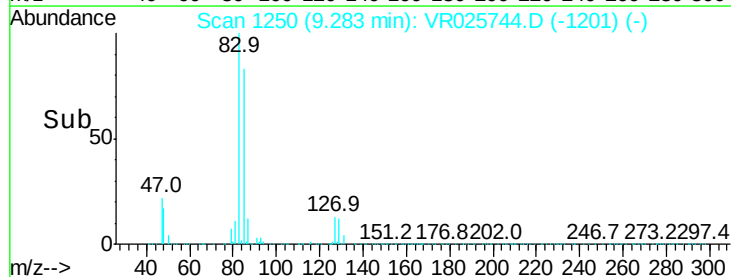
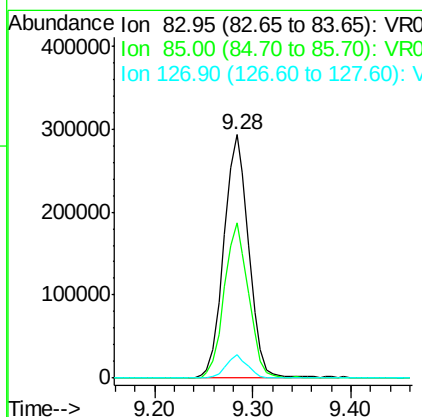
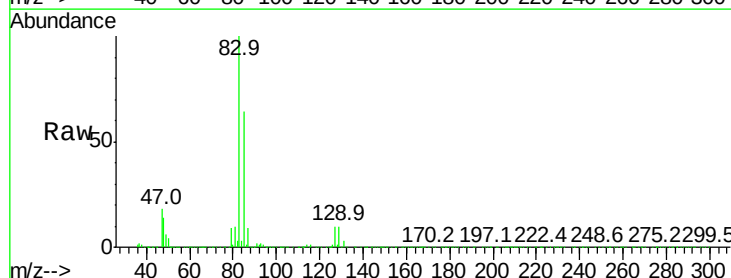
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01008

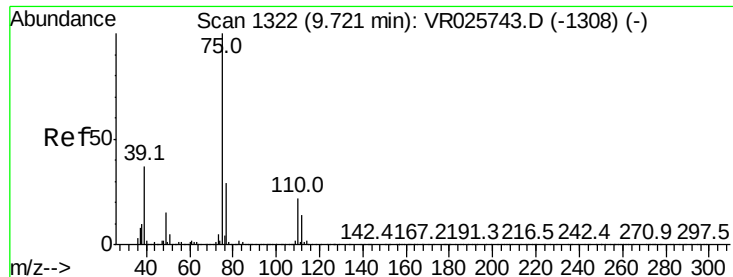
Tgt Ion: 63 Resp: 541161
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.3 4.9



#38
 Bromodichloromethane
 Concen: 10.714 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

Tgt Ion: 83 Resp: 512431
 Ion Ratio Lower Upper
 83 100
 85 64.0 49.9 92.7
 127 9.8 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 11.516 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

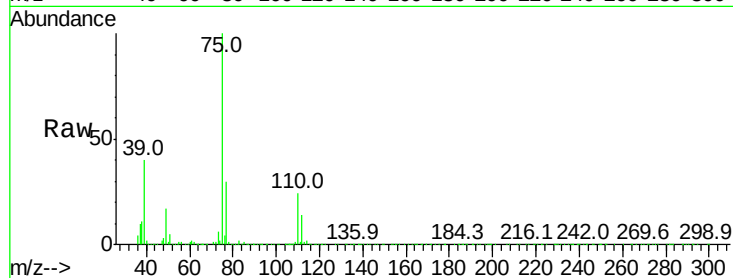
VSTD01008

Tgt Ion: 75 Resp: 627163

Ion Ratio Lower Upper

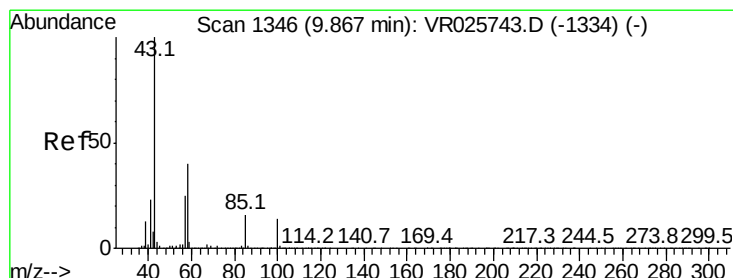
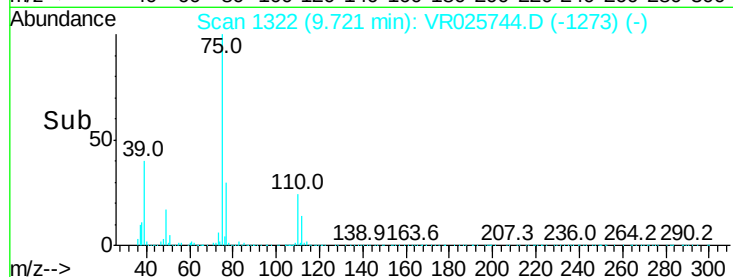
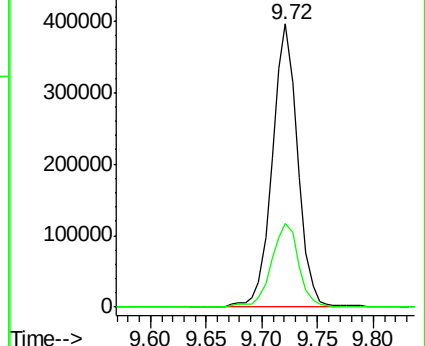
75 100

77 29.8 20.4 37.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 120.806 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

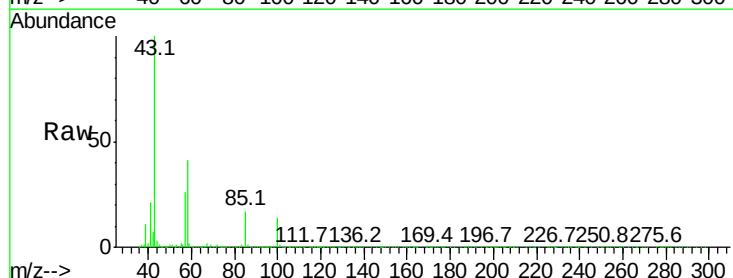
Tgt Ion: 43 Resp: 1590336

Ion Ratio Lower Upper

43 100

58 39.7 30.1 45.1

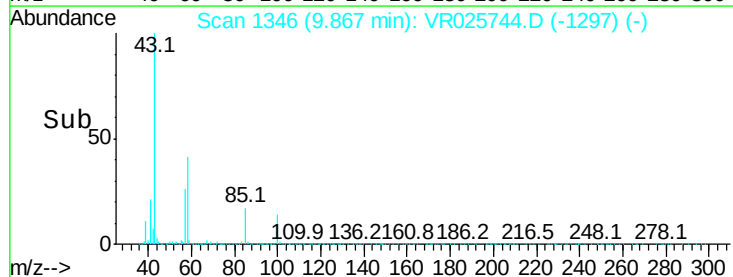
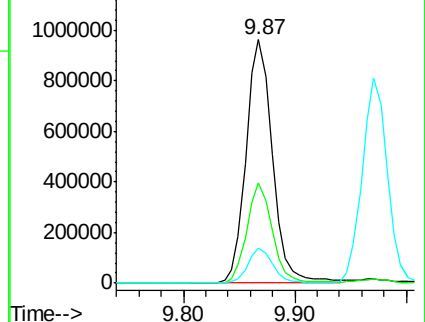
100 13.7 10.2 15.2

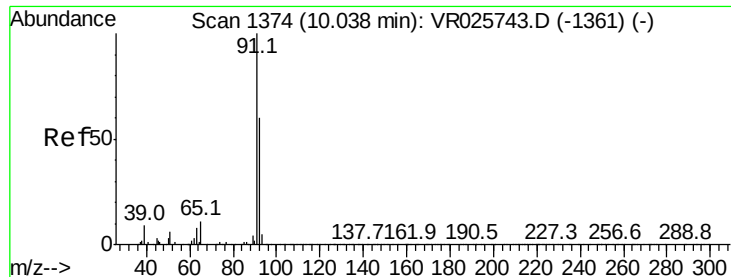


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 11.026 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

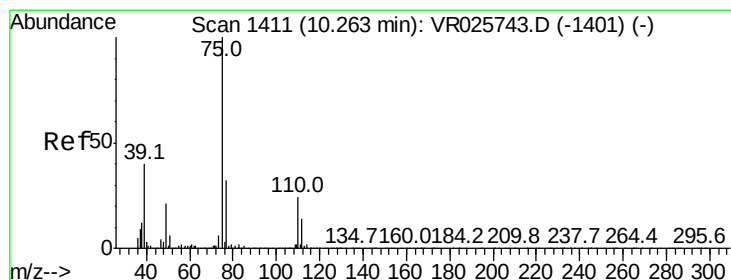
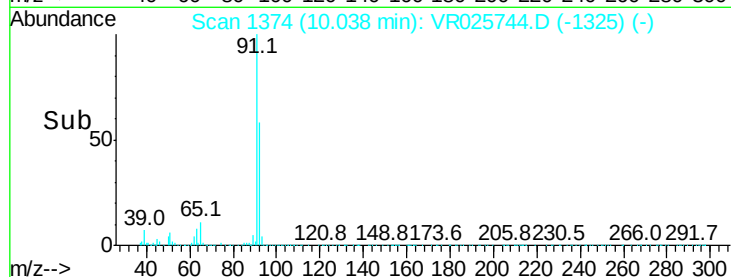
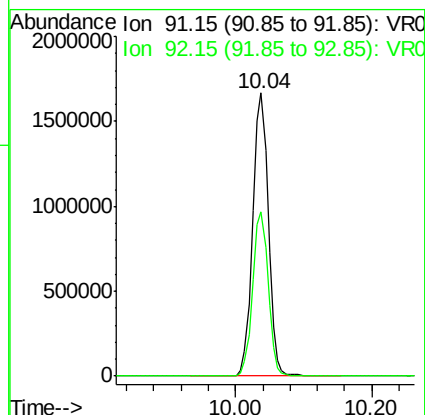
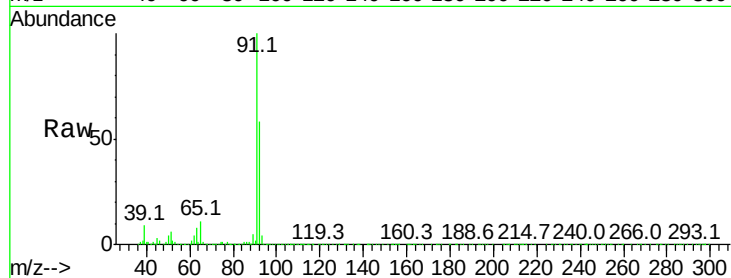
VSTD01008

Tgt Ion: 91 Resp: 2665984

Ion Ratio Lower Upper

91 100

92 58.1 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 11.498 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025744.D

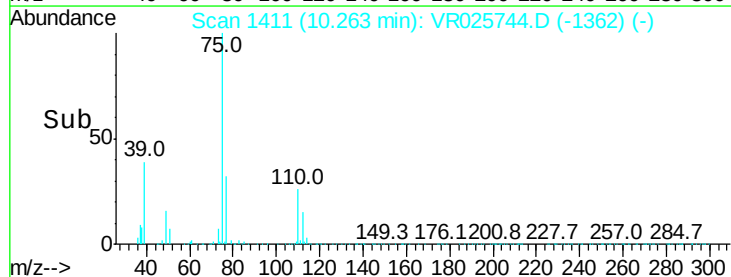
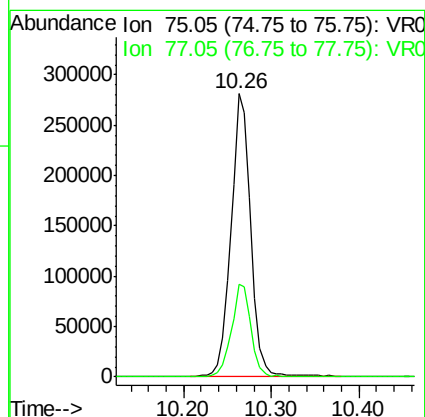
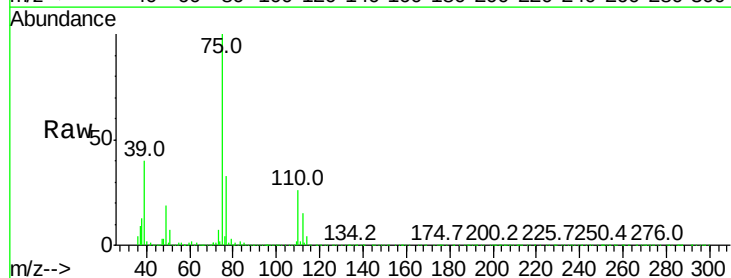
Acq: 17 Sep 2018 14:15

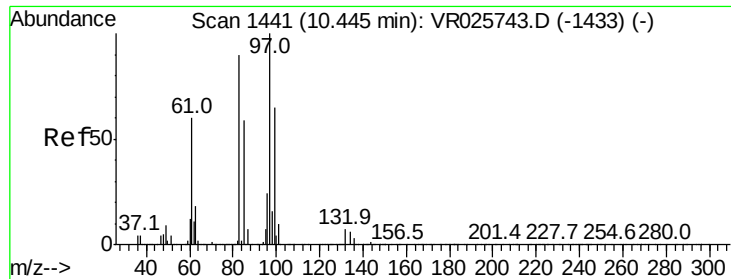
Tgt Ion: 75 Resp: 440402

Ion Ratio Lower Upper

75 100

77 32.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 9.504 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01008

Tgt Ion: 97 Resp: 237081

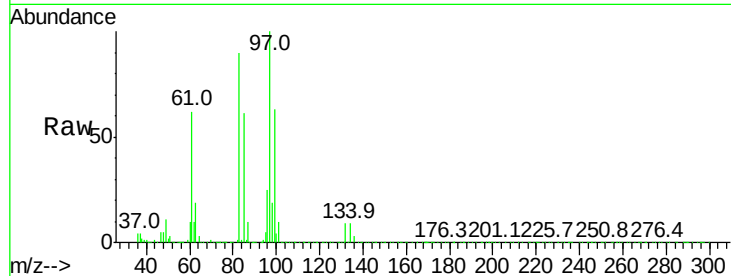
Ion Ratio Lower Upper

97 100

99 63.4 45.4 84.2

83 89.5 63.2 117.4

85 60.6 41.0 76.2

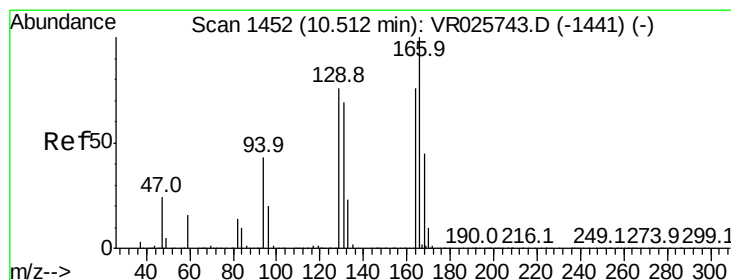
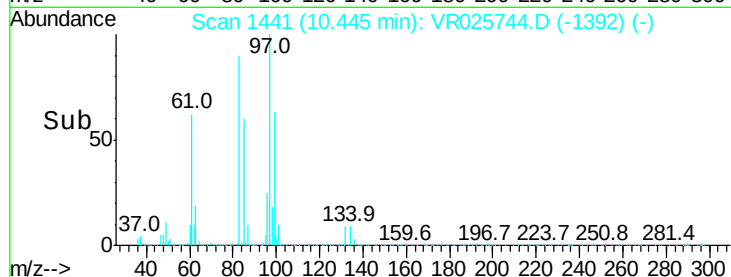
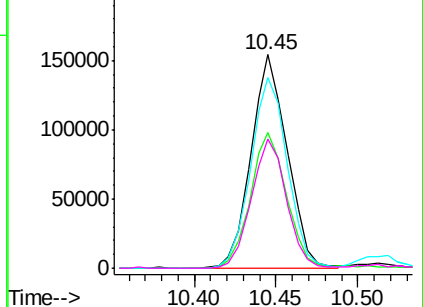


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 9.618 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Tgt Ion: 164 Resp: 450940

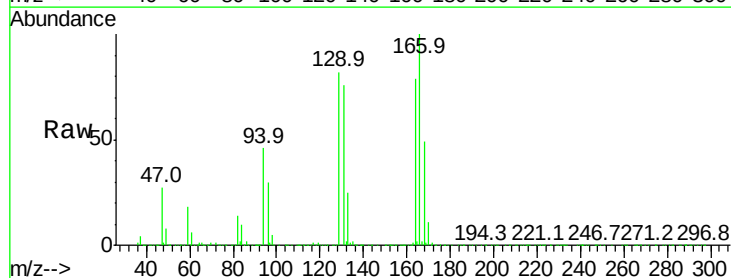
Ion Ratio Lower Upper

164 100

129 103.8 70.2 130.4

131 97.1 63.3 117.5

166 127.3 92.3 171.3

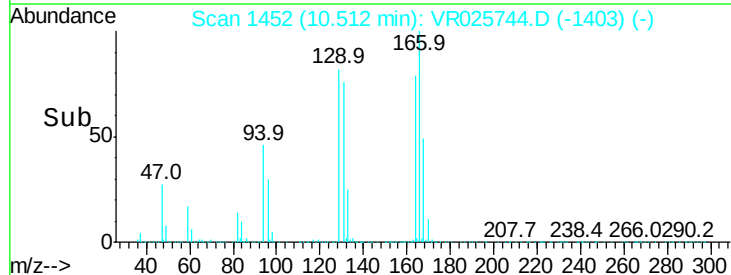
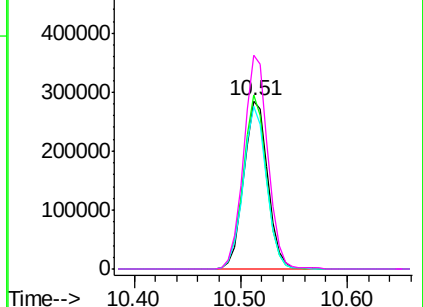


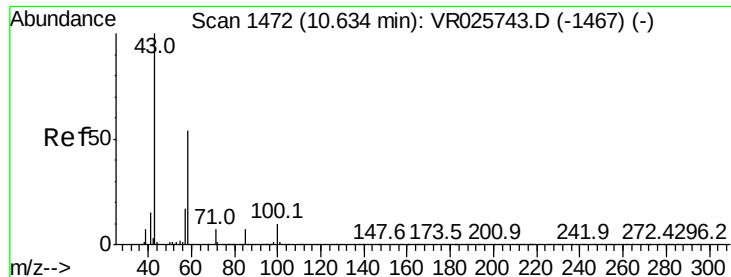
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



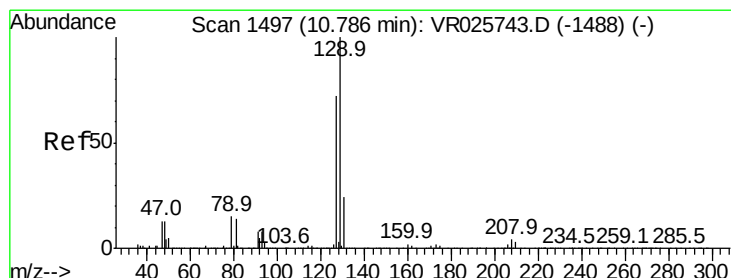
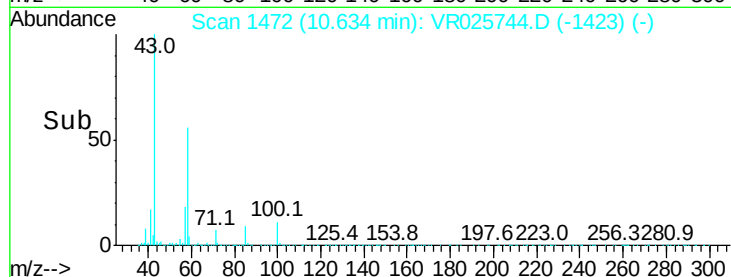
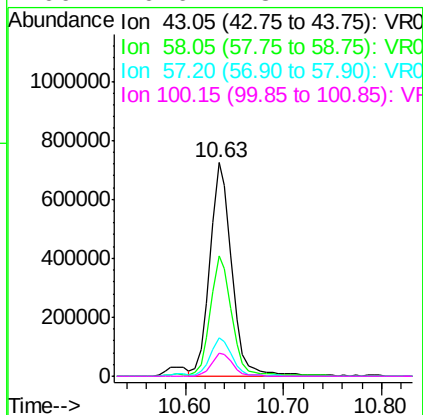
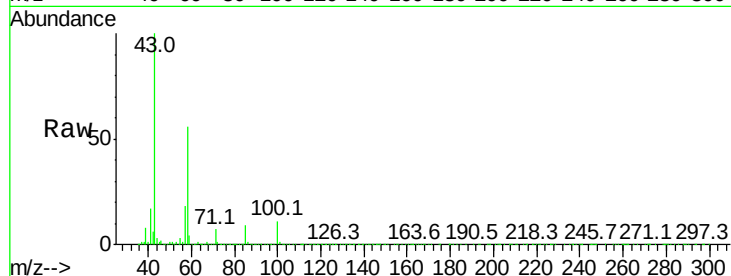


#48
2-Hexanone
Concen: 121.166 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Instrument :
MSVOA_R
ClientSampled :
VSTD01008

Tgt Ion: 43 Resp: 1118641

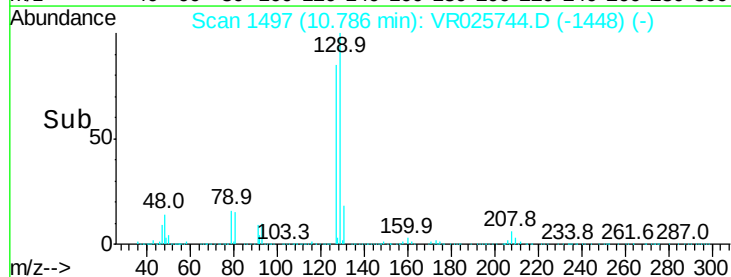
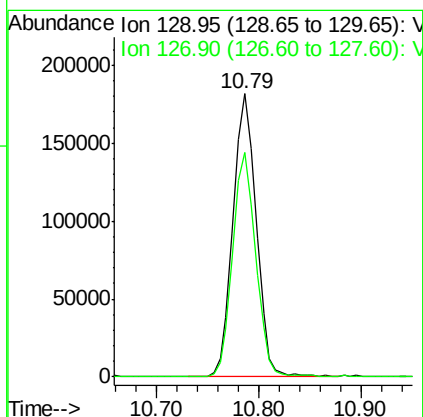
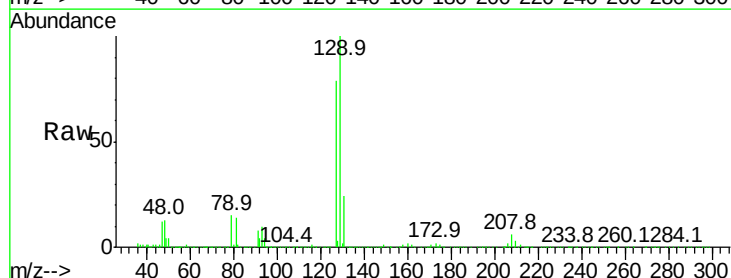
Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.4	66.6
57	17.2	14.0	21.0
100	10.6	8.2	12.2

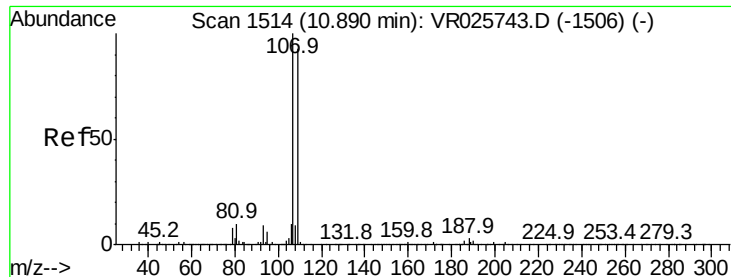


#49
Dibromochloromethane
Concen: 10.753 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion: 129 Resp: 285737

Ion	Ratio	Lower	Upper
129	100		
127	79.1	50.3	93.5

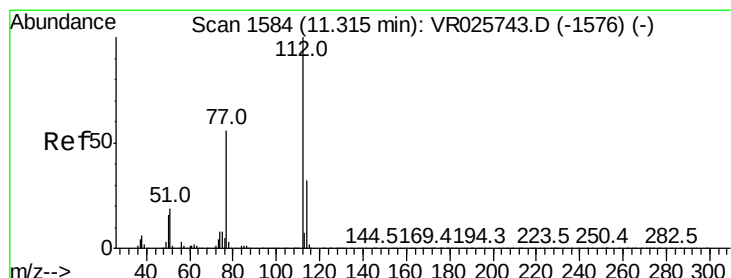
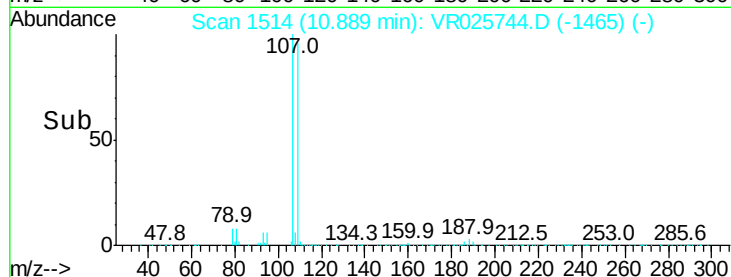
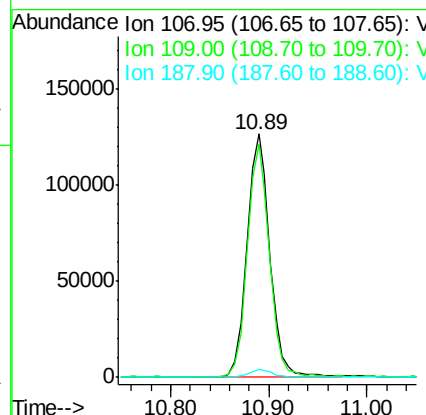
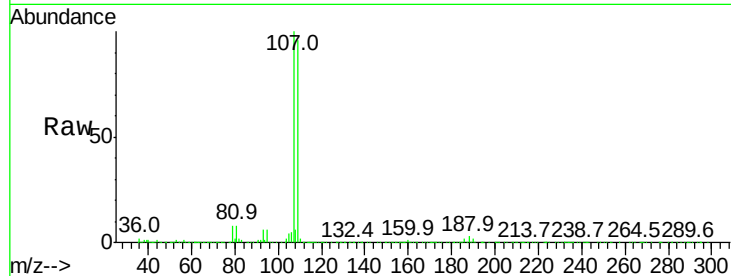




#50
1,2-Dibromoethane
Concen: 10.248 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

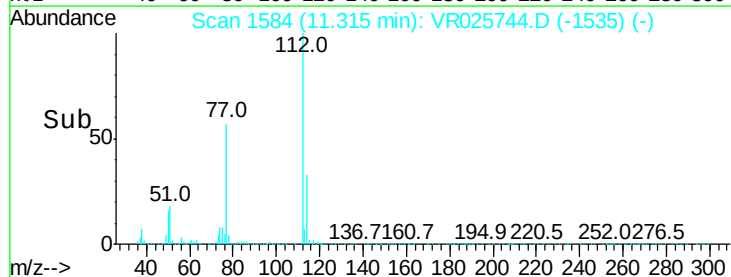
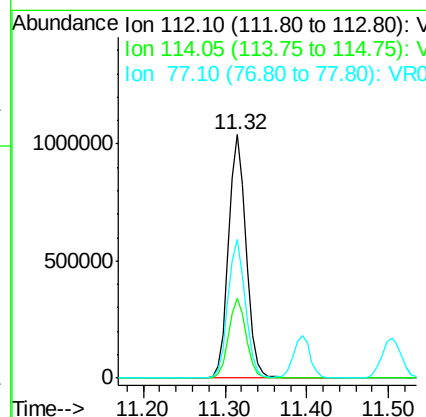
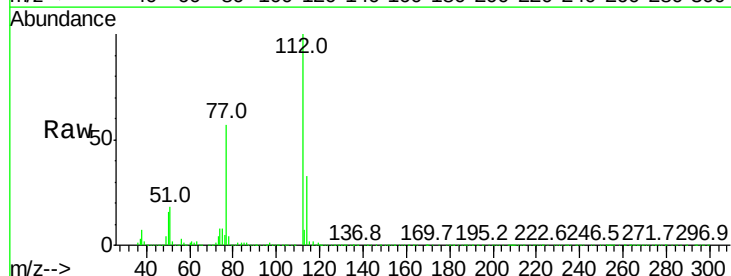
Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

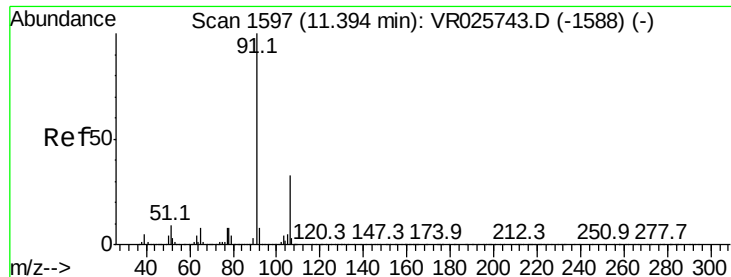
Tgt Ion:107 Resp: 203087
Ion Ratio Lower Upper
107 100
109 95.8 65.2 121.2
188 3.5 2.1 3.1#



#51
Chlorobenzene
Concen: 10.179 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion:112 Resp: 1547147
Ion Ratio Lower Upper
112 100
114 32.7 22.5 41.7
77 56.9 45.0 67.6





#52

Ethylbenzene

Concen: 11.266 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

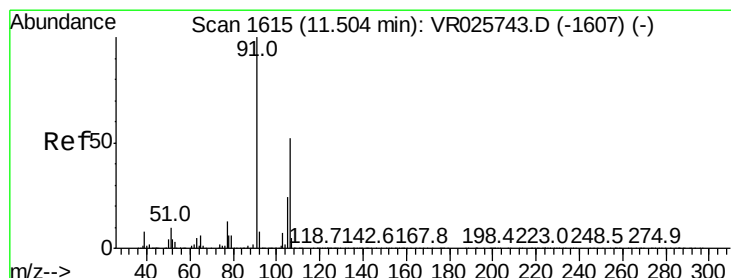
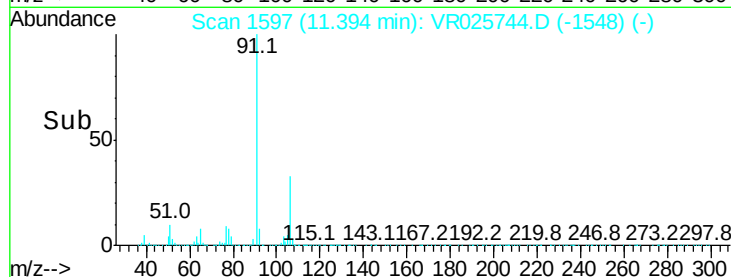
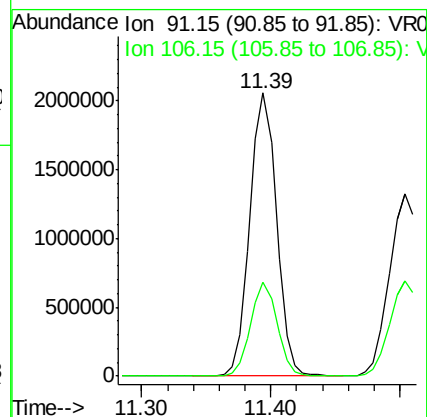
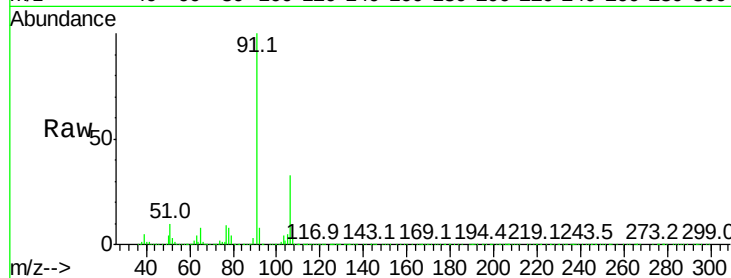
VSTD01008

Tgt Ion: 91 Resp: 2935125

Ion Ratio Lower Upper

91 100

106 33.3 23.0 42.8



#53

m,p-Xylene

Concen: 11.254 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025744.D

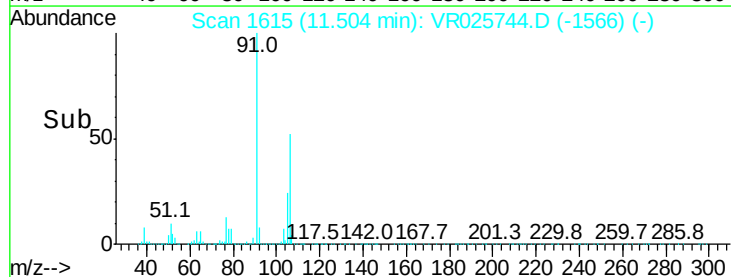
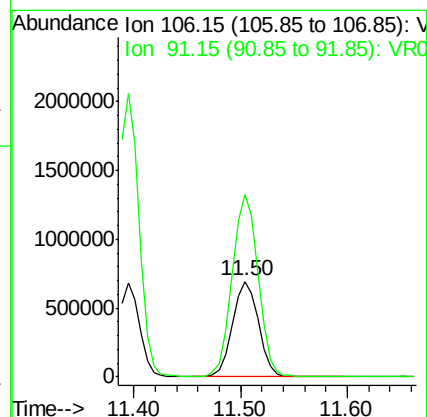
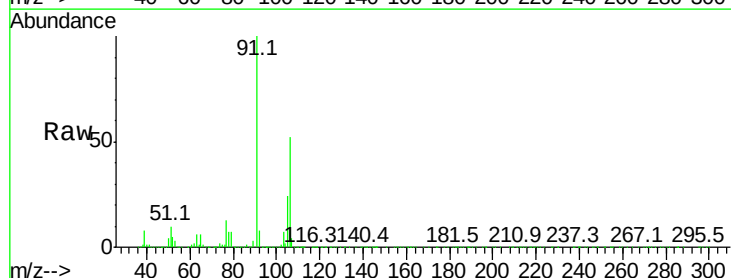
Acq: 17 Sep 2018 14:15

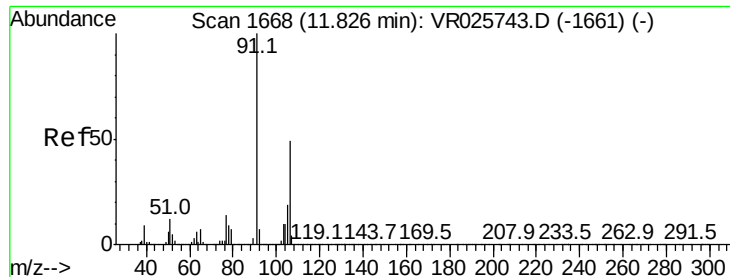
Tgt Ion: 106 Resp: 1179781

Ion Ratio Lower Upper

106 100

91 191.5 134.1 249.0

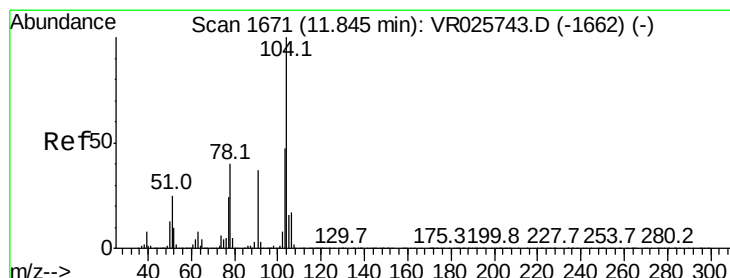
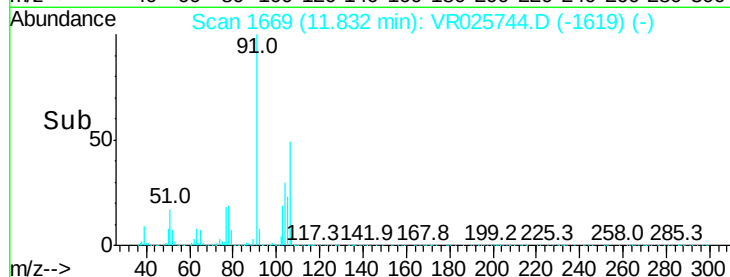
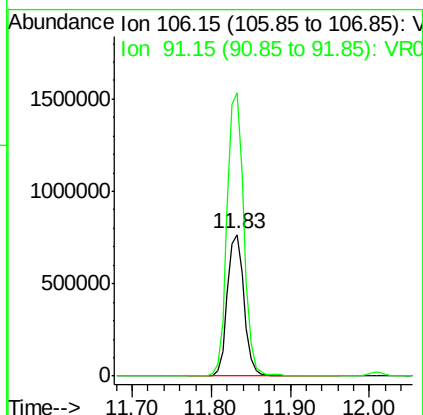
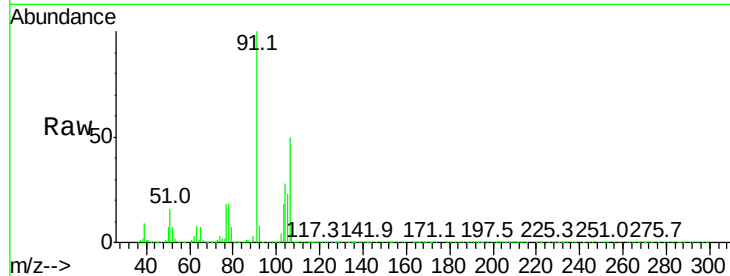




#54
o-Xylene
Concen: 12.166 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

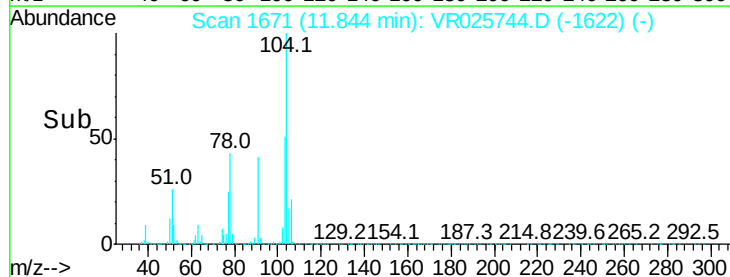
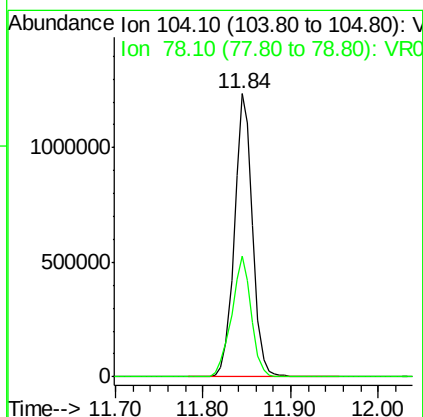
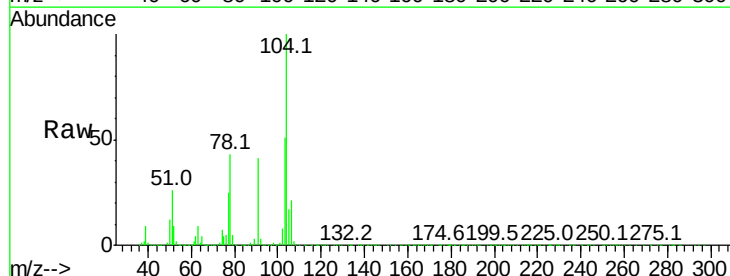
Instrument :
MSVOA_R
ClientSampleId :
VSTD01008

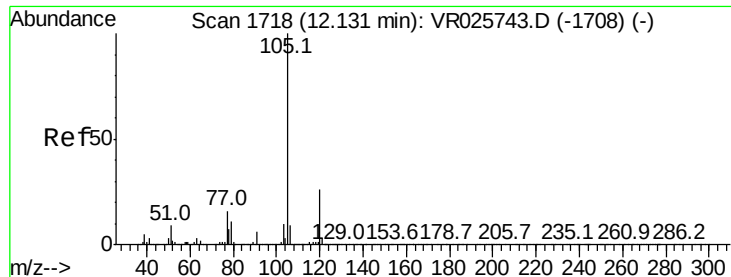
Tgt Ion:106 Resp: 1123717
Ion Ratio Lower Upper
106 100
91 199.5 141.7 263.1



#55
Styrene
Concen: 12.058 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025744.D
Acq: 17 Sep 2018 14:15

Tgt Ion:104 Resp: 1793487
Ion Ratio Lower Upper
104 100
78 42.8 28.2 52.4





#56

Isopropylbenzene

Concen: 12.783 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampled :

VSTD01008

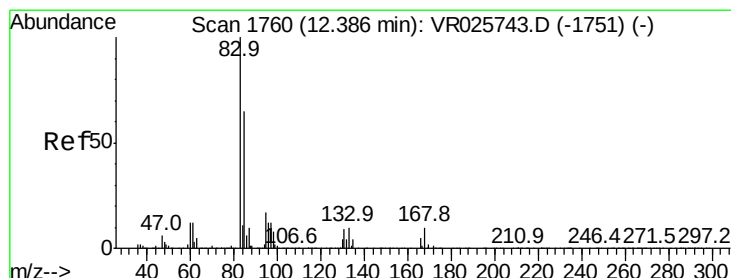
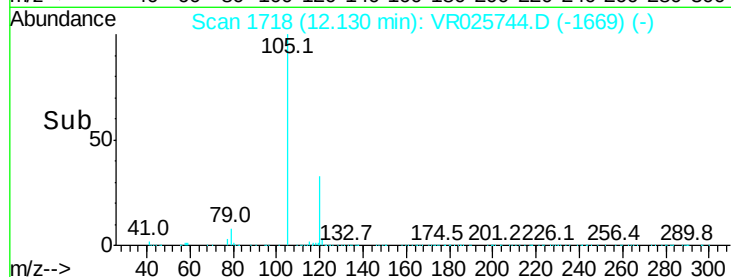
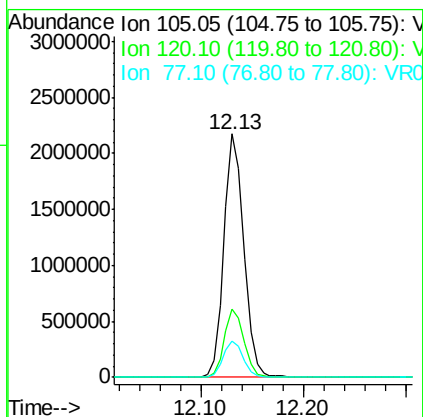
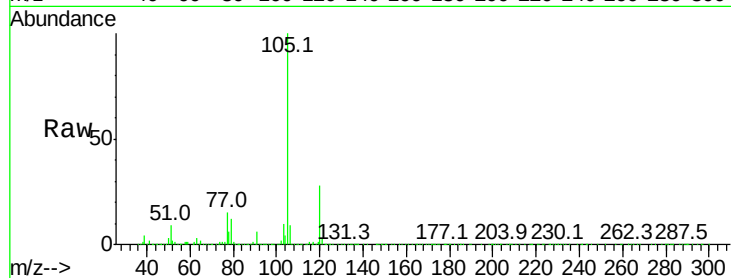
Tgt Ion: 105 Resp: 2941977

Ion Ratio Lower Upper

105 100

120 27.6 22.1 33.1

77 15.1 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 11.085 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

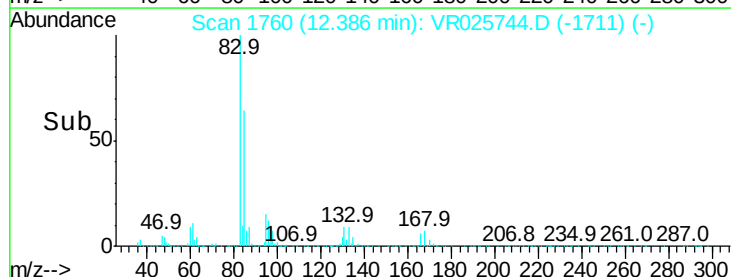
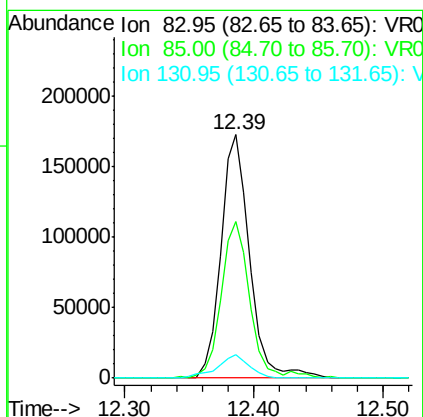
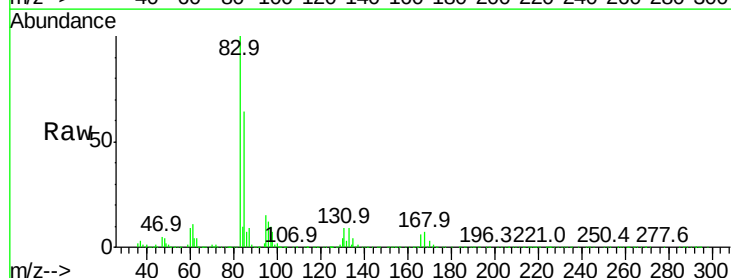
Tgt Ion: 83 Resp: 269316

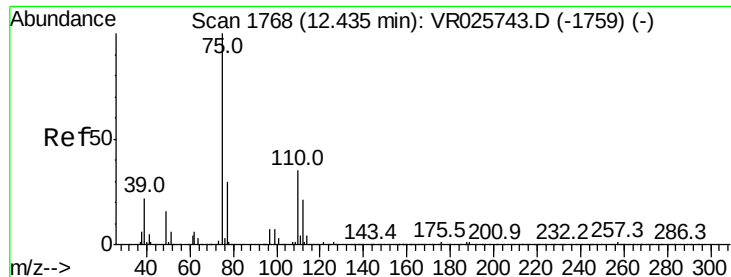
Ion Ratio Lower Upper

83 100

85 64.2 45.7 84.9

131 9.5 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 10.816 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

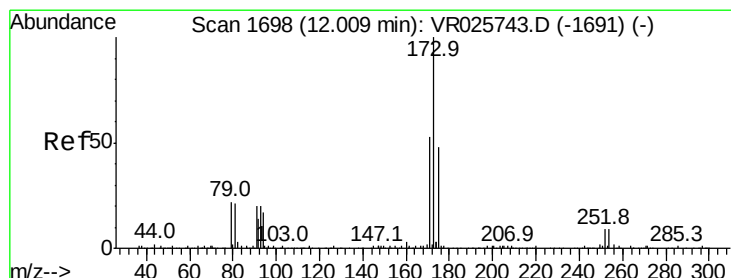
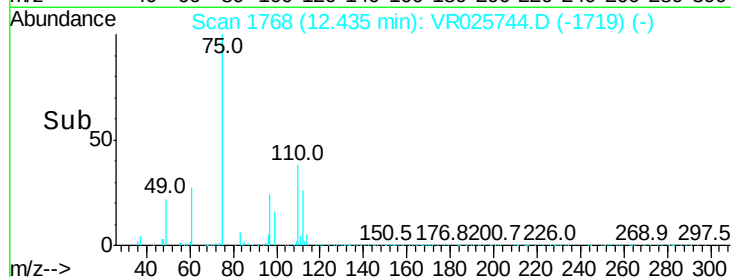
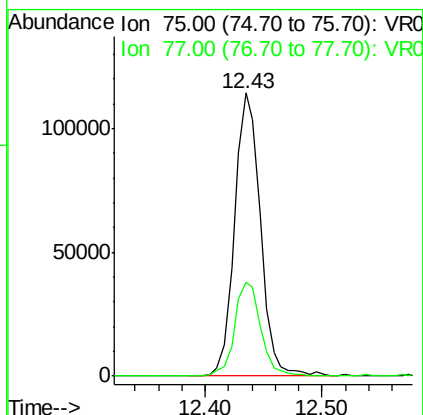
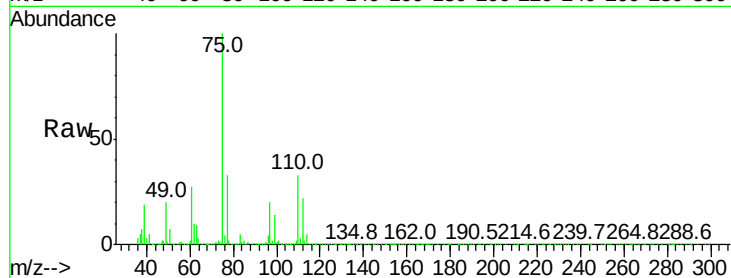
VSTD01008

Tgt Ion: 75 Resp: 176755

Ion Ratio Lower Upper

75 100

77 33.7 25.3 37.9



#61

Bromoform

Concen: 9.842 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

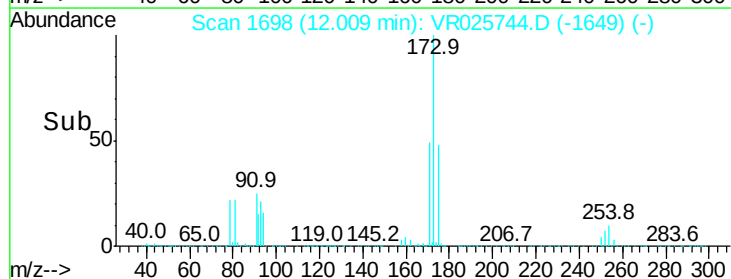
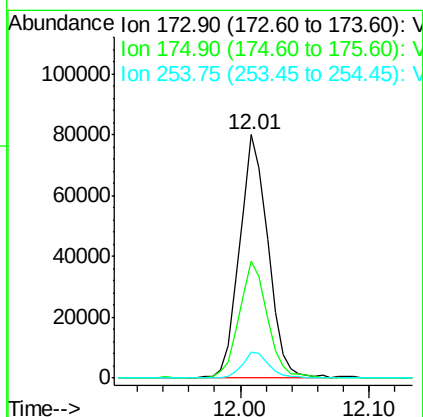
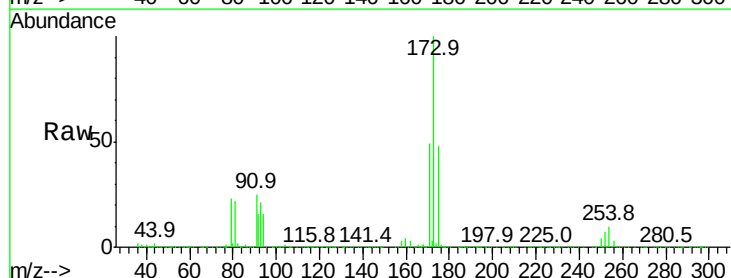
Tgt Ion: 173 Resp: 121910

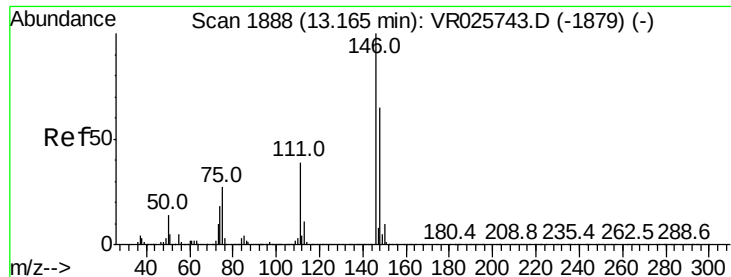
Ion Ratio Lower Upper

173 100

175 47.6 43.2 64.8

254 10.2 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 10.579 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01008

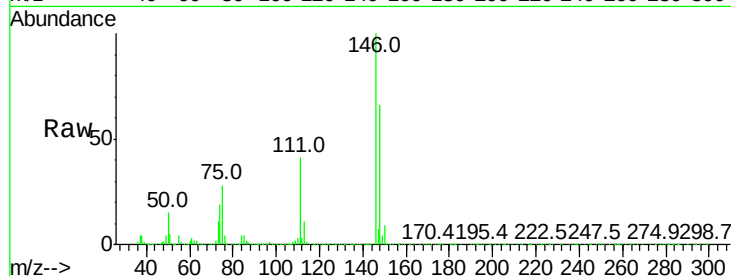
Tgt Ion:146 Resp: 956746

Ion Ratio Lower Upper

146 100

111 40.5 27.0 50.2

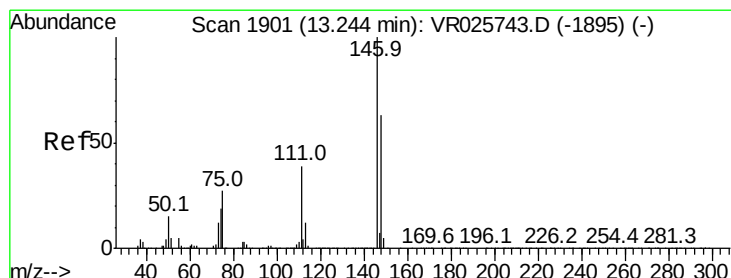
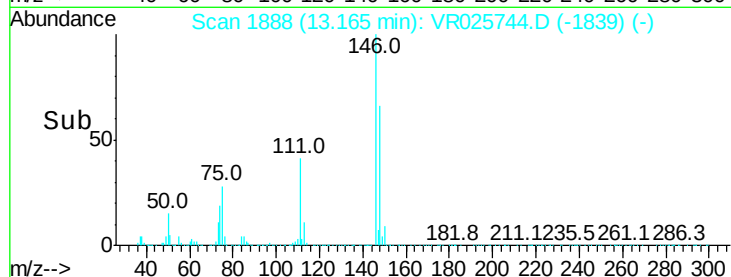
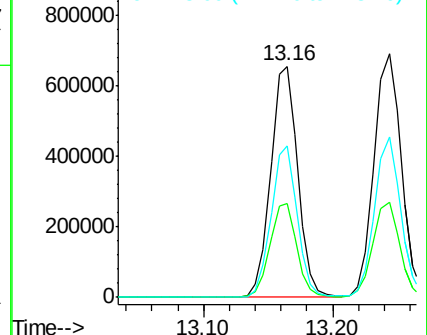
148 65.8 45.5 84.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.788 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

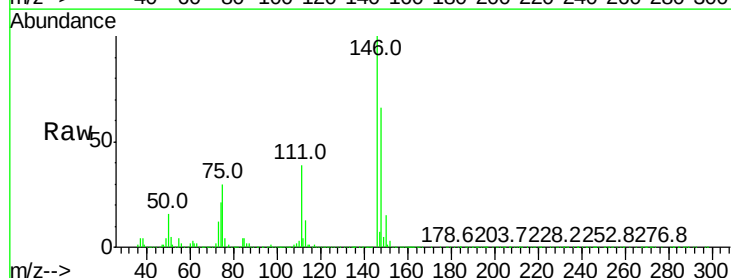
Tgt Ion:146 Resp: 1006753

Ion Ratio Lower Upper

146 100

111 39.2 27.4 50.8

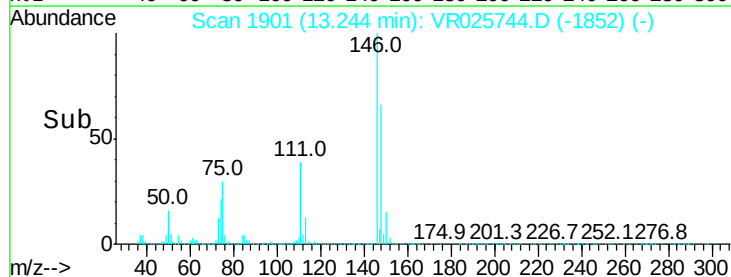
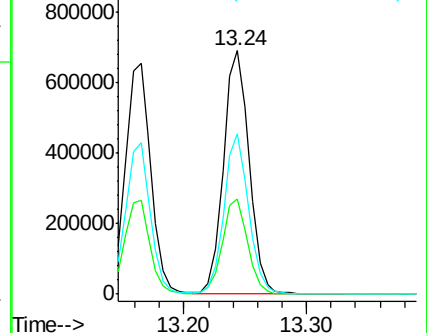
148 65.9 44.4 82.5

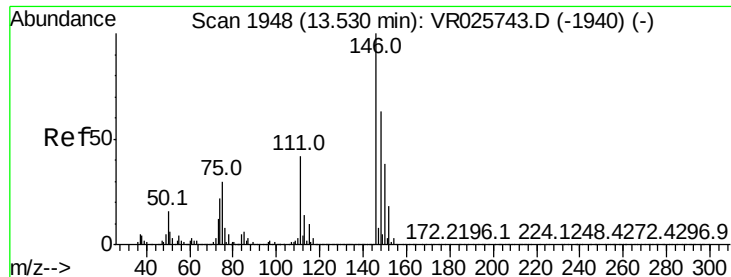


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.191 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01008

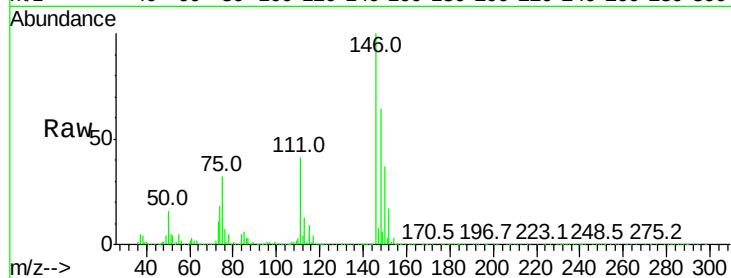
Tgt Ion:146 Resp: 795066

Ion Ratio Lower Upper

146 100

111 41.0 33.8 50.6

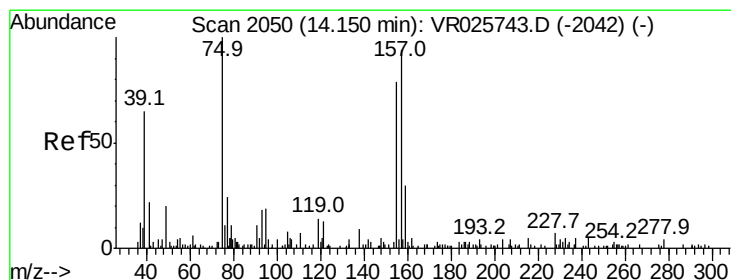
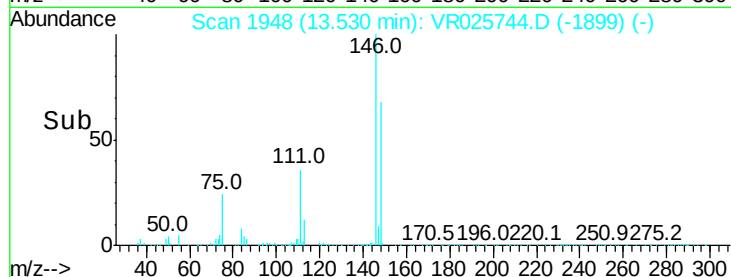
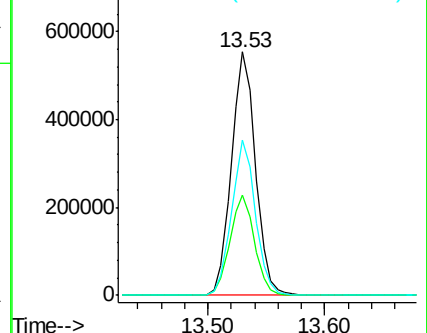
148 63.7 50.6 76.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 9.536 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

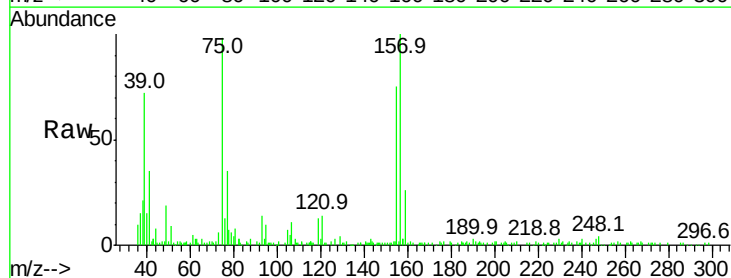
Tgt Ion: 75 Resp: 21878

Ion Ratio Lower Upper

75 100

155 77.0 63.6 95.4

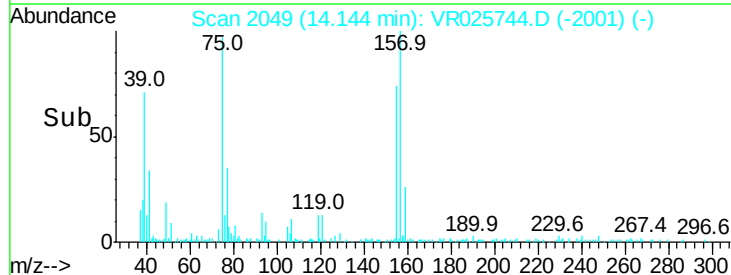
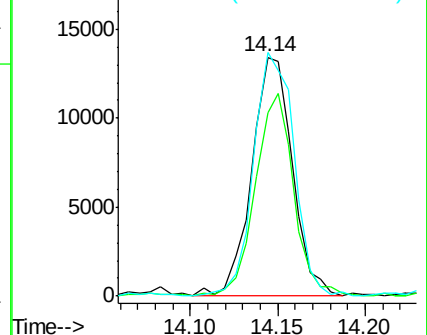
157 102.0 75.0 112.6

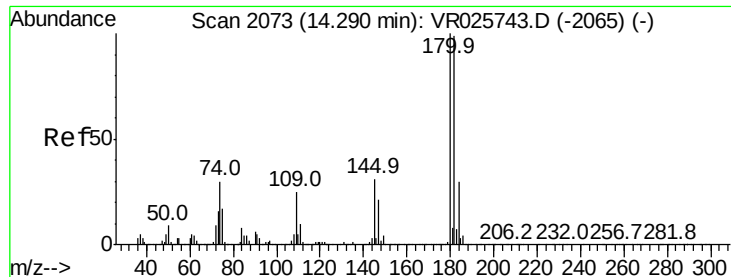


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

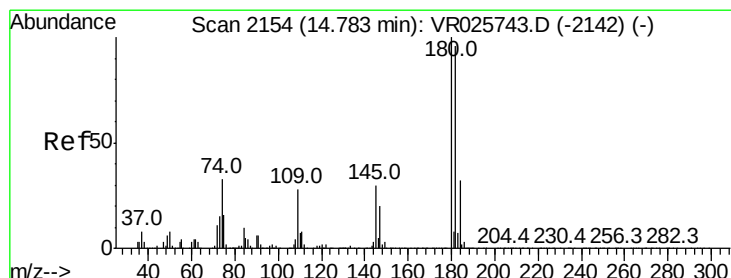
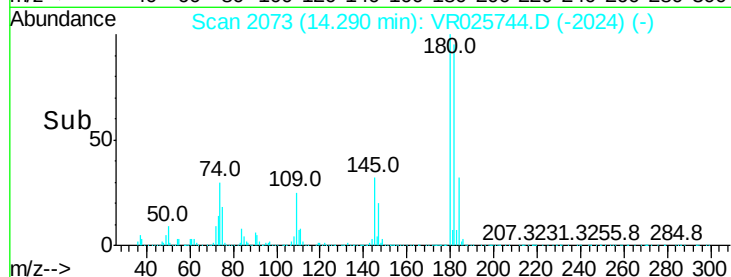
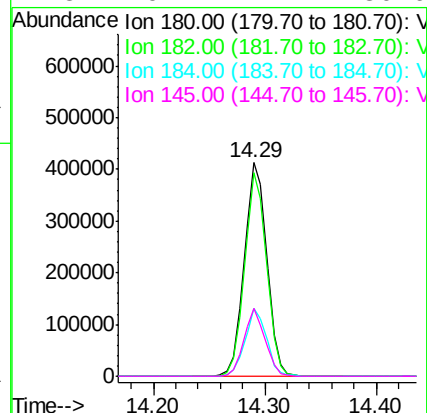
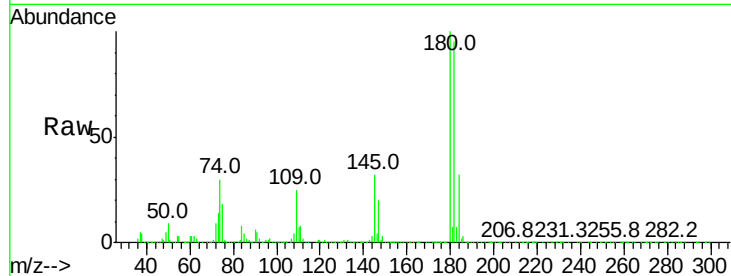




#67
 1,3,5-Trichlorobenzene
 Concen: 10.686 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

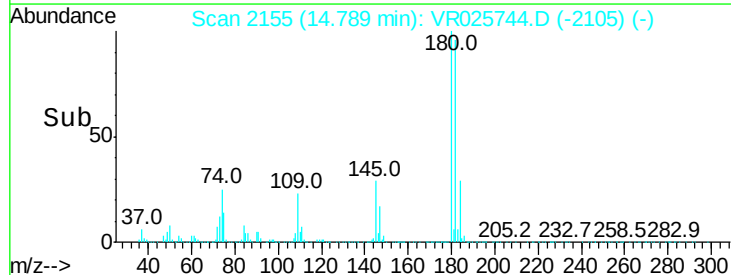
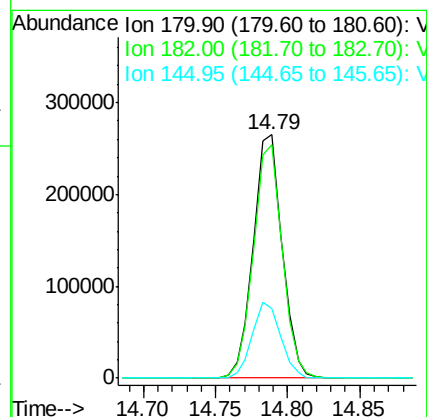
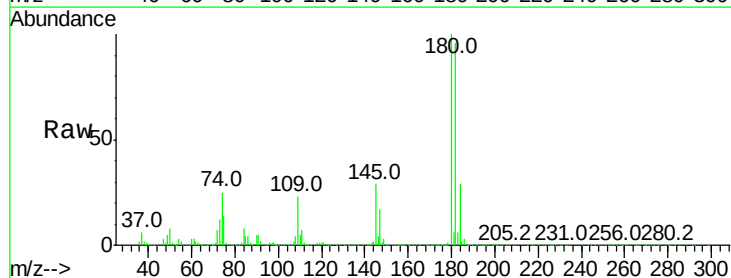
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01008

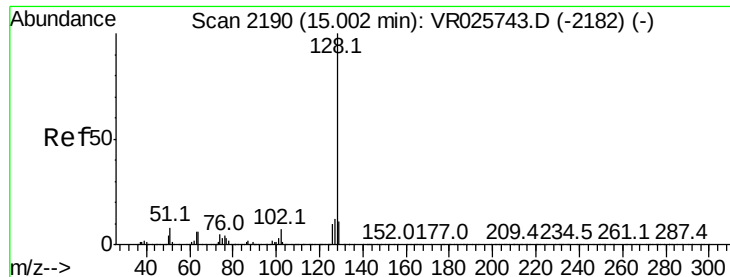
Tgt Ion:	180	Resp:	574553
Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.8	116.8
184	30.3	25.0	37.4
145	29.7	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 11.100 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR025744.D
 Acq: 17 Sep 2018 14:15

Tgt Ion:	180	Resp:	366059
Ion	Ratio	Lower	Upper
180	100		
182	95.6	79.2	118.8
145	30.8	24.0	36.0





#69

Naphthalene

Concen: 12.271 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

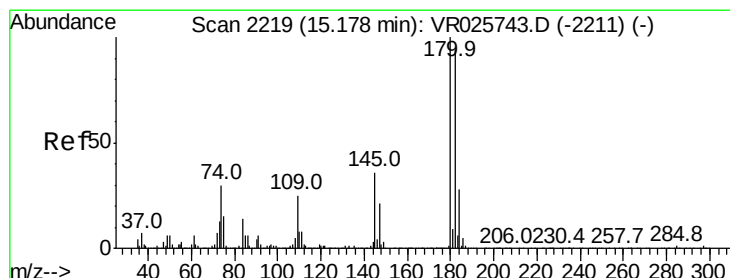
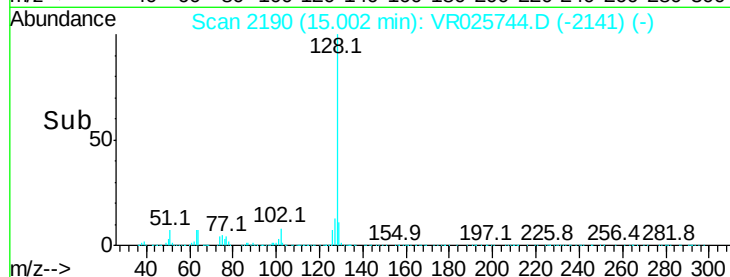
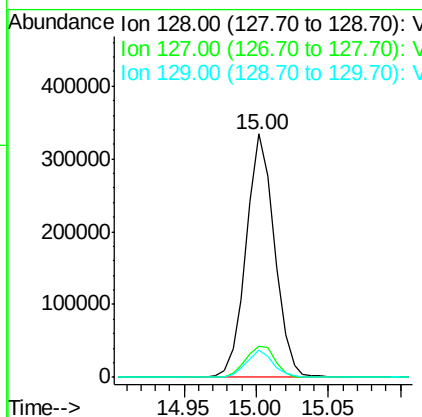
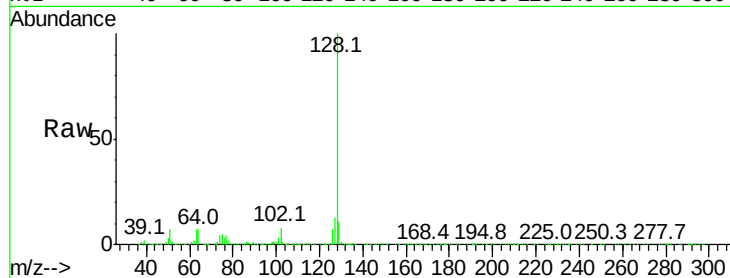
Instrument :

MSVOA_R

ClientSampleId :

VSTD01008

Tgt Ion:	128	Resp:	452677
Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.8	14.6
129	10.7	9.3	13.9



#70

1,2,3-Trichlorobenzene

Concen: 10.473 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025744.D

Acq: 17 Sep 2018 14:15

Tgt Ion:	180	Resp:	273389
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.8	116.8
145	32.7	27.3	40.9

